

## Badminton Management System - Use Cases Specification

This document contains the main roles explanation, complete use cases list, detailed use cases and system requirements for the Badminton Management System.

### 1. Main Roles Explanation

- **Administrator / Federation Admin:** Federation-level role with full permissions to manage all clubs, players, tournaments, teams, ratings, approvals, reports and system settings.
- **Club Manager:** Club-level role responsible for managing club players, teams, documents and club information. Some actions require administrator approval.
- **Club Coach:** Club-level role that can register approved players to tournaments and view club data.
- **Tournament Referee:** Club-level role responsible for tournament management and results entry. Tournament approval is performed by administrator.
- **System:** Automatic background services responsible for validations, calculations, notifications, scheduled checks and ratings calculation.

### 2. Complete Use Cases List

#### Clubs Management

- UC-01 - Create Club
- UC-02 - Update Club Data
- UC-03 - Delete / Deactivate Club
- UC-04 - Manage Club Officials
- UC-05 - View Club Payments
- UC-06 - Update Club Payment Status
- UC-07 - Manage Club Status
- UC-08 - Submit Club Change Request
- UC-09 - Approve Club Change Request
- UC-10 - Generate Club Reports

#### Players Management

- UC-11 - Create Player
- UC-12 - Update Player
- UC-13 - Delete / Deactivate Player
- UC-14 - Validate Player Identity
- UC-15 - Upload Passport Document
- UC-16 - Upload Minor Authorization
- UC-17 - Upload Medical Authorization
- UC-18 - Set Medical Authorization Date
- UC-19 - Calculate Player Validity Status
- UC-20 - Approve Player Eligibility
- UC-21 - Register Player to Tournament
- UC-22 - Generate Player Rating Reports
- UC-23 - View Player Tournament History
- UC-24 - Daily Medical Authorization Check
- UC-25 - Send Player Change Info to Admin
- UC-26 - Send Player Change Request to Admin

- UC-27 - Approve Player Change Request

#### **Tournament Management**

- UC-28 - Create Tournament
- UC-29 - Update Tournament
- UC-30 - Delete Tournament
- UC-31 - Approve Tournament
- UC-32 - Import Registered Players
- UC-33 - Export Registered Players
- UC-34 - Import Final Positions
- UC-35 - Export Final Positions
- UC-36 - Calculate Tournament Rating Points
- UC-37 - Generate Tournament Reports

#### **Ratings Management**

- UC-38 - Calculate Weekly Ratings
- UC-39 - Maintain Ratings by Age Categories
- UC-40 - Maintain Ratings by Game Categories
- UC-41 - Create Double Pair Ratings
- UC-42 - Remove Expired Tournament Results
- UC-43 - Add External Rating
- UC-44 - View Rating Calculation Sources

#### **Teams Management**

- UC-45 - Create Team
- UC-46 - Update Team
- UC-47 - Delete Team Before League Assignment
- UC-48 - Delete Team After League Assignment
- UC-49 - Assign Team to League
- UC-50 - Approve Team for League
- UC-51 - Assign Players to Team

#### **Permissions & Authentication**

- UC-52 - Login to System
- UC-53 - Manage User Permissions
- UC-54 - Approve Players
- UC-55 - Approve Teams
- UC-56 - Approve Tournaments

#### **Monitoring & Notifications**

- UC-57 - Send Expired Medical Authorization Notification
- UC-58 - Send System Change Notifications to Admin
- UC-59 - Track Object Changes
- UC-60 - Generate Monitoring Reports

#### **Reports & Export**

- UC-61 - Export Data to Excel
- UC-62 - Export Data to UI

- UC-63 - Generate Special Reports
- UC-64 - Filter Reports

### 3. Detailed Use Cases

#### UC-01 - Create Club

**Primary Role:** Administrator

**Goal:** Create new club in federation system.

- Main Flow:
  1. Administrator opens the relevant management module.
  2. Administrator enters or selects the required information.
  3. System validates business rules and mandatory fields.
  4. System saves or processes the requested action.
  5. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

#### UC-02 - Update Club Data

**Primary Role:** Administrator

**Goal:** Update existing club information.

- Main Flow:
  6. Administrator opens the relevant management module.
  7. Administrator enters or selects the required information.
  8. System validates business rules and mandatory fields.
  9. System saves or processes the requested action.
  10. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

#### UC-03 - Delete / Deactivate Club

**Primary Role:** Administrator

**Goal:** Deactivate or remove club from active system.

- Main Flow:
  11. Administrator opens the relevant management module.
  12. Administrator enters or selects the required information.
  13. System validates business rules and mandatory fields.
  14. System saves or processes the requested action.
  15. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

#### UC-04 - Manage Club Officials

**Primary Role:** Administrator

**Goal:** Assign or update club officials and roles.

- Main Flow:

16. Administrator opens the relevant management module.
17. Administrator enters or selects the required information.
18. System validates business rules and mandatory fields.
19. System saves or processes the requested action.
20. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

#### UC-05 - View Club Payments

**Primary Role:** Administrator / Club Manager

**Goal:** View club payment obligations and statuses.

- Main Flow:

21. Administrator / Club Manager opens the relevant management module.
22. Administrator / Club Manager enters or selects the required information.
23. System validates business rules and mandatory fields.
24. System saves or processes the requested action.
25. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

#### UC-06 - Update Club Payment Status

**Primary Role:** Administrator

**Goal:** Update payment completion status.

- Main Flow:

26. Administrator opens the relevant management module.
27. Administrator enters or selects the required information.
28. System validates business rules and mandatory fields.
29. System saves or processes the requested action.
30. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-07 - Manage Club Status

**Primary Role:** Administrator

**Goal:** Activate or suspend club status.

- Main Flow:

31. Administrator opens the relevant management module.
32. Administrator enters or selects the required information.
33. System validates business rules and mandatory fields.
34. System saves or processes the requested action.
35. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-08 - Submit Club Change Request

**Primary Role:** Club Manager

**Goal:** Submit changes requiring admin approval.

- Main Flow:

36. Club Manager opens the relevant management module.
37. Club Manager enters or selects the required information.
38. System validates business rules and mandatory fields.
39. System saves or processes the requested action.
40. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-09 - Approve Club Change Request

**Primary Role:** Administrator

**Goal:** Approve or reject requested club changes.

- Main Flow:

41. Administrator opens the relevant management module.
42. Administrator enters or selects the required information.
43. System validates business rules and mandatory fields.
44. System saves or processes the requested action.
45. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-10 - Generate Club Reports

**Primary Role:** Administrator

**Goal:** Generate reports related to clubs.

- Main Flow:

46. Administrator opens the relevant management module.
47. Administrator enters or selects the required information.
48. System validates business rules and mandatory fields.
49. System saves or processes the requested action.
50. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-11 - Create Player

**Primary Role:** Club Manager

**Goal:** Create new player under club.

- Main Flow:

51. Club Manager opens the relevant management module.
52. Club Manager enters or selects the required information.
53. System validates business rules and mandatory fields.
54. System saves or processes the requested action.
55. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-12 - Update Player

**Primary Role:** Club Manager

**Goal:** Update player details and documents.

- Main Flow:

56. Club Manager opens the relevant management module.
57. Club Manager enters or selects the required information.
58. System validates business rules and mandatory fields.
59. System saves or processes the requested action.
60. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-13 - Delete / Deactivate Player

**Primary Role:** Club Manager

**Goal:** Deactivate player from system.

- Main Flow:

61. Club Manager opens the relevant management module.
62. Club Manager enters or selects the required information.
63. System validates business rules and mandatory fields.
64. System saves or processes the requested action.
65. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-14 - Validate Player Identity

**Primary Role:** System

**Goal:** Validate player ID or passport.

- Main Flow:

66. System opens the relevant management module.
67. System enters or selects the required information.
68. System validates business rules and mandatory fields.
69. System saves or processes the requested action.
70. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-15 - Upload Passport Document

**Primary Role:** Club Manager

**Goal:** Upload player passport copy.

- Main Flow:

71. Club Manager opens the relevant management module.
72. Club Manager enters or selects the required information.
73. System validates business rules and mandatory fields.
74. System saves or processes the requested action.
75. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-16 - Upload Minor Authorization

**Primary Role:** Club Manager

**Goal:** Upload authorization for minor player.

- Main Flow:

76. Club Manager opens the relevant management module.
77. Club Manager enters or selects the required information.

78. System validates business rules and mandatory fields.
79. System saves or processes the requested action.
80. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-17 - Upload Medical Authorization

**Primary Role:** Club Manager

**Goal:** Upload medical authorization document.

- Main Flow:

81. Club Manager opens the relevant management module.
82. Club Manager enters or selects the required information.
83. System validates business rules and mandatory fields.
84. System saves or processes the requested action.
85. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-18 - Set Medical Authorization Date

**Primary Role:** Club Manager

**Goal:** Set expiration date for medical authorization.

- Main Flow:

86. Club Manager opens the relevant management module.
87. Club Manager enters or selects the required information.
88. System validates business rules and mandatory fields.
89. System saves or processes the requested action.
90. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-19 - Calculate Player Validity Status

**Primary Role:** System

**Goal:** Determine whether player is valid for participation.

- Main Flow:

91. System opens the relevant management module.
92. System enters or selects the required information.
93. System validates business rules and mandatory fields.
94. System saves or processes the requested action.

95. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-20 - Approve Player Eligibility

**Primary Role:** Administrator

**Goal:** Approve player eligibility.

- Main Flow:

96. Administrator opens the relevant management module.

97. Administrator enters or selects the required information.

98. System validates business rules and mandatory fields.

99. System saves or processes the requested action.

100. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-21 - Register Player to Tournament

**Primary Role:** Club Coach

**Goal:** Register player to tournament.

- Main Flow:

101. Club Coach opens the relevant management module.

102. Club Coach enters or selects the required information.

103. System validates business rules and mandatory fields.

104. System saves or processes the requested action.

105. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-22 - Generate Player Rating Reports

**Primary Role:** Administrator

**Goal:** Generate player ratings reports.

- Main Flow:

106. Administrator opens the relevant management module.

107. Administrator enters or selects the required information.

108. System validates business rules and mandatory fields.

109. System saves or processes the requested action.

110. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-23 - View Player Tournament History

**Primary Role:** Club Manager / Coach

**Goal:** View player tournament history.

- Main Flow:

111. Club Manager / Coach opens the relevant management module.
112. Club Manager / Coach enters or selects the required information.
113. System validates business rules and mandatory fields.
114. System saves or processes the requested action.
115. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-24 - Daily Medical Authorization Check

**Primary Role:** System

**Goal:** Run daily validation of medical authorizations.

- Main Flow:

116. System opens the relevant management module.
117. System enters or selects the required information.
118. System validates business rules and mandatory fields.
119. System saves or processes the requested action.
120. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-25 - Send Player Change Info to Admin

**Primary Role:** System

**Goal:** Notify admin about player updates.

- Main Flow:

121. System opens the relevant management module.
122. System enters or selects the required information.
123. System validates business rules and mandatory fields.
124. System saves or processes the requested action.
125. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-26 - Send Player Change Request to Admin

**Primary Role:** Club Manager

**Goal:** Send player changes for approval.

- Main Flow:

126. Club Manager opens the relevant management module.
127. Club Manager enters or selects the required information.
128. System validates business rules and mandatory fields.
129. System saves or processes the requested action.
130. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-27 - Approve Player Change Request

**Primary Role:** Administrator

**Goal:** Approve player change request.

- Main Flow:

131. Administrator opens the relevant management module.
132. Administrator enters or selects the required information.
133. System validates business rules and mandatory fields.
134. System saves or processes the requested action.
135. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-28 - Create Tournament

**Primary Role:** Tournament Referee

**Goal:** Create new tournament.

- Main Flow:

136. Tournament Referee opens the relevant management module.
137. Tournament Referee enters or selects the required information.
138. System validates business rules and mandatory fields.
139. System saves or processes the requested action.
140. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-29 - Update Tournament

**Primary Role:** Tournament Referee

**Goal:** Update tournament information.

- Main Flow:

141. Tournament Referee opens the relevant management module.
142. Tournament Referee enters or selects the required information.
143. System validates business rules and mandatory fields.
144. System saves or processes the requested action.
145. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-30 - Delete Tournament

**Primary Role:** Tournament Referee

**Goal:** Delete tournament before approval.

- Main Flow:

146. Tournament Referee opens the relevant management module.
147. Tournament Referee enters or selects the required information.
148. System validates business rules and mandatory fields.
149. System saves or processes the requested action.
150. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-31 - Approve Tournament

**Primary Role:** Administrator

**Goal:** Approve tournament for publication.

- Main Flow:

151. Administrator opens the relevant management module.
152. Administrator enters or selects the required information.
153. System validates business rules and mandatory fields.
154. System saves or processes the requested action.
155. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-32 - Import Registered Players

**Primary Role:** Tournament Referee

**Goal:** Import player registrations.

- Main Flow:

156. Tournament Referee opens the relevant management module.
157. Tournament Referee enters or selects the required information.
158. System validates business rules and mandatory fields.
159. System saves or processes the requested action.
160. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-33 - Export Registered Players

**Primary Role:** Tournament Referee

**Goal:** Export registered players list.

- Main Flow:

161. Tournament Referee opens the relevant management module.
162. Tournament Referee enters or selects the required information.
163. System validates business rules and mandatory fields.
164. System saves or processes the requested action.
165. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-34 - Import Final Positions

**Primary Role:** Tournament Referee

**Goal:** Import final tournament positions.

- Main Flow:

166. Tournament Referee opens the relevant management module.
167. Tournament Referee enters or selects the required information.
168. System validates business rules and mandatory fields.
169. System saves or processes the requested action.
170. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-35 - Export Final Positions

**Primary Role:** Tournament Referee

**Goal:** Export final results.

- Main Flow:

171. Tournament Referee opens the relevant management module.
172. Tournament Referee enters or selects the required information.

173. System validates business rules and mandatory fields.
174. System saves or processes the requested action.
175. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-36 - Calculate Tournament Rating Points

**Primary Role:** System

**Goal:** Calculate rating points from tournament.

- Main Flow:

176. System opens the relevant management module.
177. System enters or selects the required information.
178. System validates business rules and mandatory fields.
179. System saves or processes the requested action.
180. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-37 - Generate Tournament Reports

**Primary Role:** Administrator

**Goal:** Generate tournament reports.

- Main Flow:

181. Administrator opens the relevant management module.
182. Administrator enters or selects the required information.
183. System validates business rules and mandatory fields.
184. System saves or processes the requested action.
185. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-38 - Calculate Weekly Ratings

**Primary Role:** System

**Goal:** Recalculate weekly player ratings.

- Main Flow:

186. System opens the relevant management module.
187. System enters or selects the required information.
188. System validates business rules and mandatory fields.
189. System saves or processes the requested action.

190. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-39 - Maintain Ratings by Age Categories

**Primary Role:** System

**Goal:** Maintain separate ratings by age.

- Main Flow:

191. System opens the relevant management module.
192. System enters or selects the required information.
193. System validates business rules and mandatory fields.
194. System saves or processes the requested action.
195. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-40 - Maintain Ratings by Game Categories

**Primary Role:** System

**Goal:** Maintain separate ratings by game type.

- Main Flow:

196. System opens the relevant management module.
197. System enters or selects the required information.
198. System validates business rules and mandatory fields.
199. System saves or processes the requested action.
200. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-41 - Create Double Pair Ratings

**Primary Role:** System

**Goal:** Create ratings for doubles pairs.

- Main Flow:

201. System opens the relevant management module.
202. System enters or selects the required information.
203. System validates business rules and mandatory fields.
204. System saves or processes the requested action.
205. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-42 - Remove Expired Tournament Results

**Primary Role:** System

**Goal:** Remove outdated tournament results.

- Main Flow:

206. System opens the relevant management module.
207. System enters or selects the required information.
208. System validates business rules and mandatory fields.
209. System saves or processes the requested action.
210. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-43 - Add External Rating

**Primary Role:** Administrator

**Goal:** Add external federation ratings.

- Main Flow:

211. Administrator opens the relevant management module.
212. Administrator enters or selects the required information.
213. System validates business rules and mandatory fields.
214. System saves or processes the requested action.
215. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-44 - View Rating Calculation Sources

**Primary Role:** Administrator

**Goal:** View sources used in calculations.

- Main Flow:

216. Administrator opens the relevant management module.
217. Administrator enters or selects the required information.
218. System validates business rules and mandatory fields.
219. System saves or processes the requested action.
220. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-45 - Create Team

**Primary Role:** Club Manager

**Goal:** Create new team.

- Main Flow:

221. Club Manager opens the relevant management module.
222. Club Manager enters or selects the required information.
223. System validates business rules and mandatory fields.
224. System saves or processes the requested action.
225. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-46 - Update Team

**Primary Role:** Club Manager

**Goal:** Update team details.

- Main Flow:

226. Club Manager opens the relevant management module.
227. Club Manager enters or selects the required information.
228. System validates business rules and mandatory fields.
229. System saves or processes the requested action.
230. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-47 - Delete Team Before League Assignment

**Primary Role:** Club Manager

**Goal:** Delete team before league assignment.

- Main Flow:

231. Club Manager opens the relevant management module.
232. Club Manager enters or selects the required information.
233. System validates business rules and mandatory fields.
234. System saves or processes the requested action.
235. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-48 - Delete Team After League Assignment

**Primary Role:** Administrator

**Goal:** Delete assigned team with restrictions.

- Main Flow:

236. Administrator opens the relevant management module.
237. Administrator enters or selects the required information.
238. System validates business rules and mandatory fields.
239. System saves or processes the requested action.
240. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-49 - Assign Team to League

**Primary Role:** Administrator

**Goal:** Assign team to league.

- Main Flow:

241. Administrator opens the relevant management module.
242. Administrator enters or selects the required information.
243. System validates business rules and mandatory fields.
244. System saves or processes the requested action.
245. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-50 - Approve Team for League

**Primary Role:** Administrator

**Goal:** Approve team participation.

- Main Flow:

246. Administrator opens the relevant management module.
247. Administrator enters or selects the required information.
248. System validates business rules and mandatory fields.
249. System saves or processes the requested action.
250. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-51 - Assign Players to Team

**Primary Role:** Club Manager

**Goal:** Assign players to teams.

- Main Flow:

251. Club Manager opens the relevant management module.
252. Club Manager enters or selects the required information.
253. System validates business rules and mandatory fields.
254. System saves or processes the requested action.
255. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-52 - Login to System

**Primary Role:** All Roles

**Goal:** Authenticate system user.

- Main Flow:

256. All Roles opens the relevant management module.
257. All Roles enters or selects the required information.
258. System validates business rules and mandatory fields.
259. System saves or processes the requested action.
260. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-53 - Manage User Permissions

**Primary Role:** Administrator

**Goal:** Manage role permissions.

- Main Flow:

261. Administrator opens the relevant management module.
262. Administrator enters or selects the required information.
263. System validates business rules and mandatory fields.
264. System saves or processes the requested action.
265. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-54 - Approve Players

**Primary Role:** Administrator

**Goal:** Approve player records.

- Main Flow:

266. Administrator opens the relevant management module.
267. Administrator enters or selects the required information.

268. System validates business rules and mandatory fields.
269. System saves or processes the requested action.
270. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-55 - Approve Teams

**Primary Role:** Administrator

**Goal:** Approve teams.

- Main Flow:

271. Administrator opens the relevant management module.
272. Administrator enters or selects the required information.
273. System validates business rules and mandatory fields.
274. System saves or processes the requested action.
275. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-56 - Approve Tournaments

**Primary Role:** Administrator

**Goal:** Approve tournaments.

- Main Flow:

276. Administrator opens the relevant management module.
277. Administrator enters or selects the required information.
278. System validates business rules and mandatory fields.
279. System saves or processes the requested action.
280. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-57 - Send Expired Medical Authorization Notification

**Primary Role:** System

**Goal:** Notify about expired medical forms.

- Main Flow:

281. System opens the relevant management module.
282. System enters or selects the required information.
283. System validates business rules and mandatory fields.
284. System saves or processes the requested action.

285. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-58 - Send System Change Notifications to Admin

**Primary Role:** System

**Goal:** Notify admin about system changes.

- Main Flow:

286. System opens the relevant management module.

287. System enters or selects the required information.

288. System validates business rules and mandatory fields.

289. System saves or processes the requested action.

290. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-59 - Track Object Changes

**Primary Role:** System

**Goal:** Maintain audit trail.

- Main Flow:

291. System opens the relevant management module.

292. System enters or selects the required information.

293. System validates business rules and mandatory fields.

294. System saves or processes the requested action.

295. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-60 - Generate Monitoring Reports

**Primary Role:** Administrator

**Goal:** Generate monitoring reports.

- Main Flow:

296. Administrator opens the relevant management module.

297. Administrator enters or selects the required information.

298. System validates business rules and mandatory fields.

299. System saves or processes the requested action.

300. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-61 - Export Data to Excel

**Primary Role:** Administrator

**Goal:** Export data to Excel.

- Main Flow:

301. Administrator opens the relevant management module.
302. Administrator enters or selects the required information.
303. System validates business rules and mandatory fields.
304. System saves or processes the requested action.
305. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-62 - Export Data to UI

**Primary Role:** Administrator

**Goal:** Display exported data in UI.

- Main Flow:

306. Administrator opens the relevant management module.
307. Administrator enters or selects the required information.
308. System validates business rules and mandatory fields.
309. System saves or processes the requested action.
310. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### UC-63 - Generate Special Reports

**Primary Role:** Administrator

**Goal:** Generate custom reports.

- Main Flow:

311. Administrator opens the relevant management module.
312. Administrator enters or selects the required information.
313. System validates business rules and mandatory fields.
314. System saves or processes the requested action.
315. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

## UC-64 - Filter Reports

**Primary Role:** Administrator / Club Manager

**Goal:** Filter generated reports.

- Main Flow:

316. Administrator / Club Manager opens the relevant management module.
317. Administrator / Club Manager enters or selects the required information.
318. System validates business rules and mandatory fields.
319. System saves or processes the requested action.
320. System updates logs, notifications and related records.

**Alternative Flow:** If validation fails, the system displays an error and prevents completion of the action.

**Post Conditions:** The requested operation is completed and stored in the system audit trail.

### System Requirements

- System shall send email notifications when medical authorization expires.
- System shall automatically invalidate expired players.
- System shall maintain audit logs for all changes.
- System shall support exports to Excel and UI tables.
- System shall support special report generation.
- System shall calculate ratings weekly.
- System shall support cloud storage integration.
- System shall maintain ratings by age and game category.
- System shall support doubles pair ratings.