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| Use Case Name | Register Account |
| Scope | Plumbers on Ice Game App |
| Level | User goal |
| Primary Actors | Player |
| Stakeholders and Interests | Player: wants to register account to play game |
| Preconditions | Player has already downloaded app and launched it |
| Success Guarantee | Player successfully registers an account for the app. |
| Main Success Scenario | 1. User chooses to register account 2. System prompts user with registration requirements 3. User inputs necessary information and submits data 4. System sends data to server and creates account 5. System prompts user with success account creation message |
| Extensions | 3a. User does not enter in available user name  i. System prompts username error message  ii. User enters a new user name  3b. User password does not meet the requirements  i. System prompts password error message  ii. User enters in a new password  4a. System cannot connect to webserver  i. System prompts user with connection error |
| Special Requirements |  |
| Technology and Data Variations List | Internet connection |
| Frequency of Occurrence | high |
| Miscellaneous |  |

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| --- | --- |
| Use Case Name | Log in |
| Scope | Plumbers on ICE Game App |
| Level | user goal |
| Primary Actors | Player |
| Stakeholders and Interests | Player: wants to login successfully to play game. |
| Preconditions | User has already registered an account and launched the app |
| Success Guarantee | User enters username and password. System authenticates user’s session. |
| Main Success Scenario | 1. User inputs username and password 2. User hits submit 3. System sends input to web server for verification 4. System authenticates user’s session 5. Systems launches user’s profiled session |
| Extensions | 3a. System cannot connect to web server  i. System prompts error message associated with connection issues  4a. User input does not match with any account  i. System prompts user with authentication failed prompt  5a. System files are corrupted and cannot open  i. System terminates and closes application |
| Special Requirements | none |
| Technology and Data Variations List | internet connection |
| Frequency of Occurrence | high |
| Miscellaneous | none |
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| --- | --- |
| Use Case Name | View High Scores |
| Scope | Plumbers on ICE Game App |
| Level | user goal |
| Primary Actors | Player |
| Stakeholders and Interests | Player: wants to view highscores to compare performance against other players |
| Preconditions | The app has already been installed |
| Success Guarantee | User launches high scores |
| Main Success Scenario | 1. User launches high scores 2. System launches highscore webpage |
| Extensions | 2a. System cannot connect to webserver  i. System prompts connection error prompt |
| Special Requirements |  |
| Technology and Data Variations List |  |
| Frequency of Occurrence | high |
| Miscellaneous |  |