| Sprint Retrospective Iteration # 3 | | | | | | Group:4 | 2 Air Hockev | | | |
|---|---|----------------------------|-----------------------|-----------------|-------------|--|---|---------------------------|-----------------------------|--|
| User Stories | Task/Issue # | Assigned To | Estimated Effort | t Actual Effort | Done(yes/no | | Air Hockey | | | |
| The player shall be able to see the top 5 scores in the game at the end of each play | #24 Top 5 scores at the End | Robert and Ionut | 2h | 2h | yes | The scores of the top player | are are now dienlayed | | | |
| A new interface named PuckState will be introduced, that will define the behavior of the puck since it depends on its position on the | #24 Top 0 decide at the End | Nobelt and foliat | 211 | ZII | yes | The scores of the top playe | are now displayed | | | |
| poard (Gate Aligned and Out of Gate range). | #32 State Design Pattern to Puck | Robert | 2h | 2h | yes | We have chosen the State | design pattern for the puc | k as its behavior change | s depending on its position | |
| When the 2 player game is going to start, the second player will also be asked about his credentials, in order to save the statistics of the game after it ends for both players. | #31 Login Feature for the Second Player | Robert & Darwin | 5h | 5h | yes | Now 2 players can now log | in to play the game. Impro | ovements to the login fun | ctionality have also been r | |
| The player will hear a hit sound on hitting the puck and the puck hitting the wall and hear a horn sound on scoring | #12 Sound Effects | Jaron | 2h | 2h | yes | Now the sound effects on h | nit ad scoring work properl | у | | |
| The player will see a leaderboard, which contains the current top 10 player from the database, when clicking scores on the menu screen and it'll disappear when clicked again | #18 Leaderboard | Jaron & Ionut | 3h | 4h | yes | The leaderboard has been | board has been designed to be easily extended (in size) in future versions | | | |
| Improve the code by implementing the Data Access Object design pattern for the database controller classes to create a clear eparation between game logic and database logic. Improve code reuse and maintainability. | #33 DAO pattern refactoring | lonut | 3h | 7h | ves | Took longer than expected | than expected but the DAO pattern was implemented and code quality was improved | | | |
| The player will be able to see the following statistics for his account: number of games won, number of games lost, total points, most | | | | | , | | | | | |
| ecent game history and the individual leaderboard position | #10 Performance statistics | Jaron & Ionut | 3h | 3h | yes | Just the first user that logs in will be able to see his account stats | | | | |
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| Sprint Overview (Team Level) | | | | | | | | | | |
| is sprint we managed to complete the more fine tuned aspects of our application. We have also worked and are still working on | | | | | | | | | | |
| mproving the code. Communication was good, although some persons reacted to problems too close to the final deadlines, taking | | | | | | | | | | |
| me maybe unnecasary risks, so scheduling was a problem. | | | | | | | | | | |
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| Main Problems Encountered | Reaction | | | | | | | | | |
| Robert | Neaction | | | | | | | | | |
| | Had to search on the internet for some examples | | | | | | | | | |
| #1 The Software Architecture document and diagrams exercise was more ambiguous than expected, especially because we had to think how to fit our application in one and because there are not that many examples on how to make component diagrams in the lectures | That is search on the internet to come examples | | | | | | | | | |
| Darwin | | | | | | | | | | |
| 2 Handling of user input causing failed authentication and registration | | | | | | | | | | |
| Jaron | | | | | | | | | | |
| 3 | | | | | | | | | | |
| lonut | | | | | | | | | | |
| 4 Some tests were failing because the equals method was not implemented in some of the classes (could not understand the failing | | | | | | | | | | |
| eason) | Generate equals methods | | | | | | | | | |
| 5 For a specific test class the method calls from one mocked class were not recognized for some reason | Cleaning caches and rebuilding worked without cha | anging anything to the co | ode itself | | | | | | | |
| 6 PMD static analysis warnings would give a warning for some things that were solved (such as closing connections after use). | Suppres some PMD warnings (explanations given) | | | | | | | | | |
| 7 Refactoring was not easy and for a few times I had to delete some code I wrote because it proved to be inefficient/useless | | | | | | | | | | |
| 18 Issues when reusing ResultSet and PreparedStatement for the private getSalt method that was called during authentication. Error nessages said something was wrong with the hashing function but actually the problem was related to the database interaction | Create separate ResultSet and PreparedStatemen | t instances instead of rea | using the existing or | nes | | | | | | |
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| Adjustment for next Sprint: | | | | | | | | | | |
| . Try to implement features a lot earlier if possible, in order to prevent any struggles during the last days of the sprint (same problem a | s last sprint) | | | | | | | | | |
| . Some code improvements for the final product are in order | | | | | | | | | | |
| . Carefully consider what and how we want to implement something in order to avoid writing code that later has to be deleted. | | | | | | | | | | |
| . Reconsider the way we handle exception errors (printing them to the console might not be useful for the user) | | | | | | | | | | |
| . Try to make smaller merge requests when possible. | | | | | | | | | | |