Software Engineering- Sprint 4

Documentation - Team 09

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1 Implemented Features/Functionality as per User/Requirements in this Sprint

1.1 Implemented User Authentication

(a) Player Login/Sign-Up

The login and sign-up respective of instructor and player has been implemented. So a Player can login and he will see his own views. A pop-up is implemented to for UI functionality to indicate if logged in or Logged out.

(b) Instructor Login/Sign-Up

The login/register page is the same for the instructor, it is just that if you click on instructor checkbox, it will register you as an instructor. In the database the Model is stored as a Boolean variable meaning if the button is checked box it will also insert into the Instructor table. We made use of session variables upon login to identify which instructor has logged in and to pass the id to the different pages.



Figure 1: Home page for the Login



Figure 2: Home page for the REGISTER $\,$

1.2 Player

(a) Can Join Games/ See Joined Games

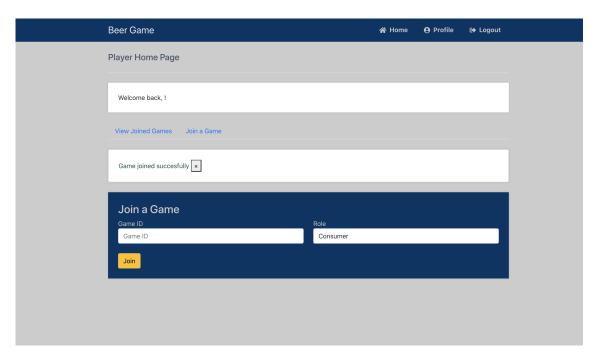


Figure 3: Join games page

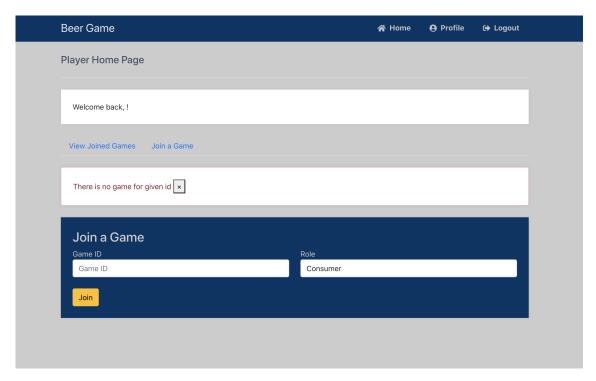


Figure 4: Feedback Error

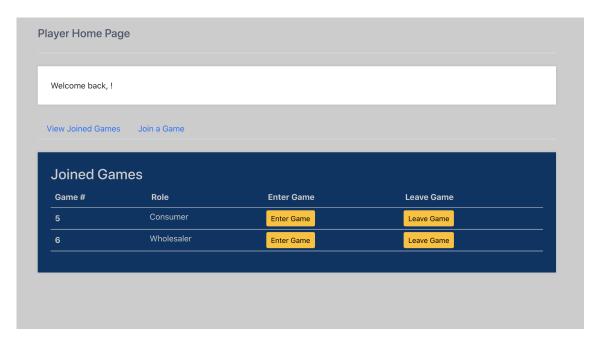


Figure 5: See the joined Games

(b) Leave a Game



Figure 6: Leave a Game

(c) Enter Game

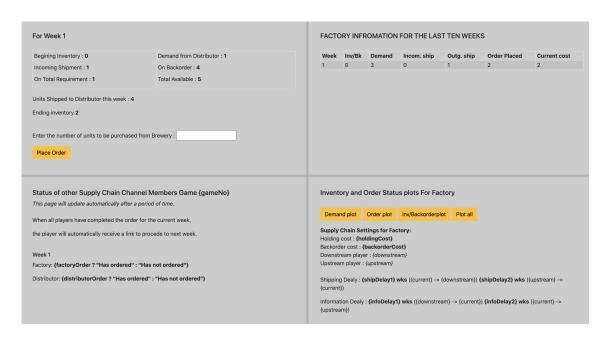


Figure 7: Enter a Game

1.3 Instructor

(a) Can Create Games/See Created Games

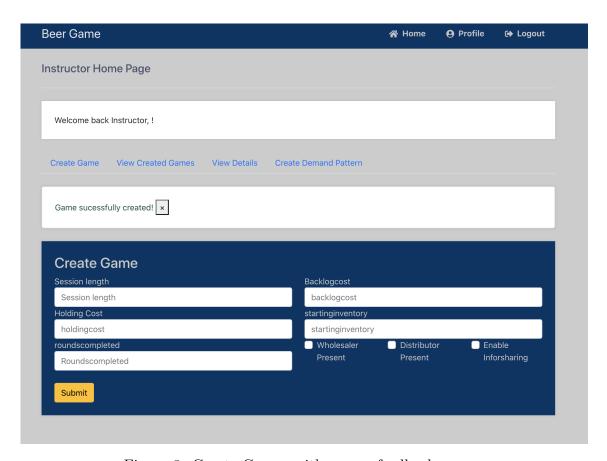


Figure 8: Create Games with popup feedback

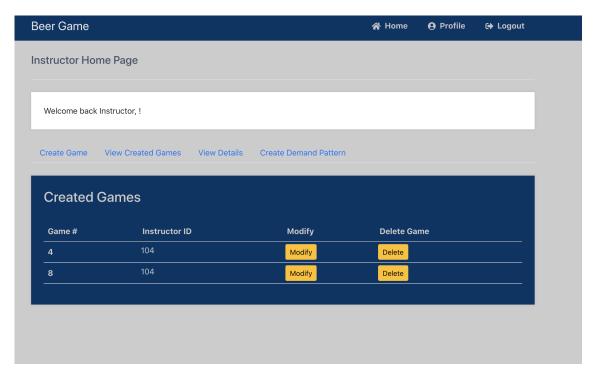


Figure 9: List of created games

(b) Instructor View Details

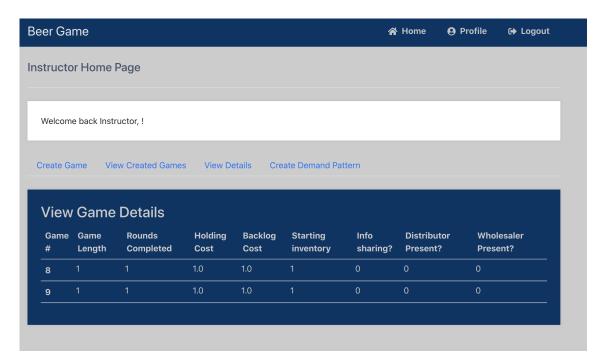


Figure 10: List of created Games detailed

(c) Instructor Can delete Games

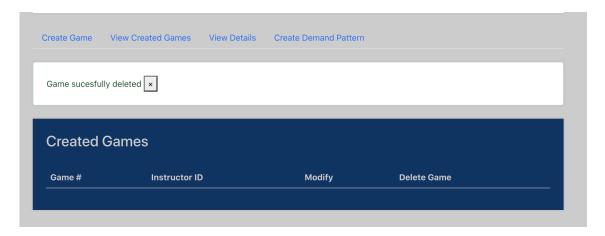


Figure 11: Delete specific game

(d) Instructor Can Modify Games

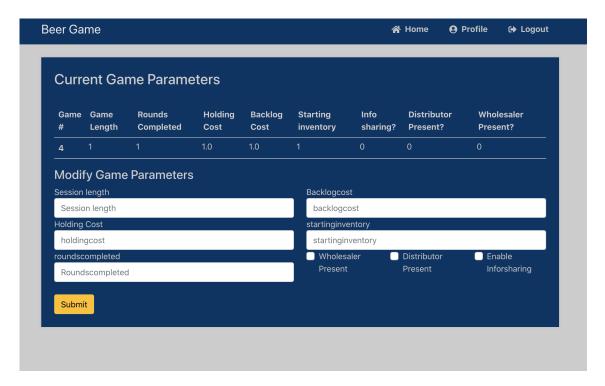


Figure 12: Modify Specific Game

1.4 Improved the Database Design and Rewrote SQL Queries/Statements

To make sure that the ids will be unique we added SQL Auto increments into the SQLschema.sql file such that each entry is unique and is consistent with the database. We also changed the ids from a VARCHAR datatype to INT which will be auto-incremented each time a new entry has been added.

Furthermore we added a role property to the Plays_In table to store the role of the player which was previously in the player table. This was a problem because before because the implementation limited us to only have one player play one game with one role. However now , each player can play many games with different roles.

2 Testing-Python Unit testing

2.1 Testing Python API- Unit testing

We implemented unit-testing of the new components, to test python endpoints, you can simply run. This was previously different because of the different endpoints.

python3 tests.py