

Web Server Technology

Milestone 3

Project: Tower of Heaven

By

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Functional Requirements

- Registration page.
 - The user will be able to register through the register page.
 - The user will be able to log in by entering username and password.
 - The user will be able to reset the password if it is forgotten.
- Account page.
 - The user will be able to change his username.
 - The user will be able to change his password.
 - The user will be able to change his email address.
 - The user will be able to delete the used account.
 - The user will be able to confirm the deletion of an account before it is performed.
- Game page.
 - The user will be able to upgrade the items.
 - The user will be able to advance to the next floor level when he finishes the current floor level.
 - The user will be able to do damage to the current monster by clicking on it.
 - The user will gain money when the monster is killed.
 - The user will be able to use special attack for a certain time, and it will be closed for sometime.
- The come back.
 - The user will be able to continue playing the game after login.
 - The user's loot and upgrade will be retrieved when user comes back.
 - The user will be able to continue where he/she stopped last time.
- Transactions (Optional)
 - The user will be able to buy skins, loot, gears with real money.
 - The user will be able to send someone else a gift. .

Non-Functional Requirements.

- The project will be easy for the user to use (register, play, save, and comeback)
- The web application will work on all kinds of browser.
- Loading the webpage will be less than 3 seconds. (depend on the connection speed)
- The web application will contain sounds that will amuse the user.
- The web application will save the data automatically and there will be a save button for more stability.
- The web application will scale with any browser and resolution.
- The web application will keep track of user actions and give trophies based on stat. (i.e. 1 million click)
- In case of failure of loading the webpage A message will show up stating that.
- In case of failure of making a transaction A message will show up stating that.
- In case of failure to connect to the server the webpage will state that before it loads.

- The user password will be encrypted and then hashed for more security. It won't be recovered yet can be reset by email.