Hyper Arcade | Brainstorm

1. Welcome page

Functions:

- redirect_to_login()
- redirect_to_signup()
- redirect_to_anonymus_menu()
- exit_game()

2. Login

Form:

- username
- password

Functions:

- validate_username(string username)
- encrypte_password(string password)
- validate_password(string enc_password)
- redirect_to_main()
- redirect_to_welcome_page()

3. Signup

Form:

- username
- password
- re_password

Functions:

- validate_username(string username)
- match_passwords(string password, string re_password)
- encrypte_password(string password)
- add_user(string username, string enc_password)
- redirect_to_main()
- redirect_to_welcome_page()

4. Main Menu

Functions:

- redirect_to_one_player_menu()
- redirect_to_multiplayer_menu()

- redirect_to_settings()
- redirect_to_about()
- [+] redirect_to_record()
- [+] logout()
    - redirect_to_welcome_page()
- [?] quit_menu()
    - redirect_to_welcome_page()

5. One Player Menu

Functions:

- select_game()
- redirect_to_one_player_game(int game_index)
- redirect_to_main()

6. Multiplayer Menu

Functions:

- redirect_to_join_room()
- redirect_to_create_room()
- redirect_to_main()

7. Join Room

Form:

- token

Functions:

- validate_token(string token)
- redirect_to_waiting_room()
- redirect_to_multiplayer_menu()

8. Waiting Room

Functions:

- select_game()
- redirect_to_multiplayer_game(int game_index)
- quit_room()
    - redirect_to_multiplayer_multiplayer_menu()

9. Create Room

Functions:

- generate_token()
- redirect_to_waiting_room()

10. Player Game (One/Multi)

Functions:

- play_game(int game_index)
  - dsepends on the game
- pause_game()
- intent_basic_settings()
- quit_game()
  - redirect_to_one_player_menu()

11. Basic Settings (Dialog)

Functions:

- select_lenguage()
- activate_noises()
- activate_music()
- change_controls()
- close_basic_settings()

12. Settings

Functions:

- select_lenguage()
- activate_noises()
- activate_music()
- selecte_theme()
- change_controls()
- [+] change_username(string new_username)
- [+] verify_username(string new_username)
- [+] change_password(string old_password, string new_password)
- [+] change_profile_picture(string image_base64)

13. About

Functions:

- display_about()

Proposed Games

- Brick Ball
  - 1 player
- Wordle
  - 1 player

- Flappy Bird
  - 1 player
- Tetris
  - 1 player
- Tik Tak Toe
  - 2 players
- Hockey
  - 2 players
- Snake
  - 1 to 4 players
- Silly Raccon
  - 1 to 4 players

Symbology

[+] -> Requires session

[?] -> Requires annonymous session