Register New user: A user arrives at a registration page and is prompted to enter an email (which the system verifies is unique), a password, and a nickname (which the system verifies is unique). If successful, user is registered, otherwise user is prompted for information again.

Primary Actor: Unregistered User

<u>Stakeholders and Interests</u>: Unregistered User - wants to be able to register with an email, nickname & password.

Preconditions: Unregistered user is not registered.

Postconditions: Account is created with a unique email/nickname.

## Success Scenario:

- Unregistered user arrives on signup/login page
- 2. Unregistered user enters password and unique email and nickname
- 3. System verifies uniqueness of email and nickname and stores user information
- Unregistered user becomes registered user

# Extensions:

a.

- System fails to load signup/login page
- ii. User retries until successful or contacts system admins

b.

- i. Unregistered user enters non-unique email and nickname
- System returns error message to user and prompts them to enter a different email/nickname
- iii. Process repeats until success
- Login: A user arrives at a Login page where a registered user may enter their login name and password to enter the system.

Primary Actor: Registered User

<u>Stakeholders and Interests:</u> Registered user - wants to be able to login and perform the functions privileged a Registered user.

Preconditions: System only allows login or register new user.

Postcondition: Registered user is logged in and able to function as a player.

#### Success Scenarios:

- User arrives at a login page.
- User enters login info.
- User is logged in.

- a. User is not directed to the landing page after he/she logs into the system
- b. Correct credentials do not work.
- c. System fails at any point
  - i. System restarts

Deregister User: A registered user can deregister from the system at any point. In
which case, their games are deleted and any opponents they had at the time will receive
a notification of this. In addition, their email and nickname are freed up for use by other
people wanting to register.

Primary Actor: Registered User

### Stakeholders and Interests:

- Registered User wants to deregister from the system
- Other registered users in games with the primary actor want to only have playable games on their account
- Current unregistered users who will register in the future want to be able to use any email/nickname previously taken by the deregistered user

## Preconditions:

Registered User is registered with the system

## Postconditions:

- Registered User becomes deregistered from system
- All games associated with registered user deleted from system
- All previous opponents notified of deleted games
- Previously registered user's nickname and password are freed up for future use

#### Success Scenario:

- 1. Registered user selects option to deregister their account
- 2. User receives email that they have been deregistered from the system
- Previously registered user's opponents receive in-game notification that their games with said user have been deleted and will no longer show up in their account

- a. System fails at any point
  - User either reloads the page until success or contacts system admins for help

Create new game: A registered user arrives on a landing page where they are given the
option to create a new game. If they create a new game they then become a participant
in the newly created game.

Primary Actor: Registered User

<u>Stakeholders and Interests</u>: Registered User - wants to be able to create a new game and be included in that game immediately

Preconditions: User has created an account and is logged into the system

<u>Postconditions</u>: A new game is started and the game is in its initial stage with the user as a player

### Success Scenarios:

- Registered user arrives at a main page.
- 5. Registered user clicks a button to start a new game.
- 6. A new game is created and that game is in its initial starting stage

#### Extensions:

- d. User is not directed to the landing page after he/she logs into the system
- e. When the user clicks on the button to create a new game, a new game is not started
- f. System fails at any point
  - i. System restarts
- Invite players: A registered user who has created a game is given the option to invite another registered users to their created game by using an email or nickname.

Primary Actor: Registered User

<u>Stakeholders and Interests</u>: Registered User - wants to be able to invite one or more players to the game that he/she just created.

<u>Preconditions</u>: User has logged into the system and successfully created a new game <u>Postconditions</u>: User requests other users to join the game and those users are added to that game

#### Success Scenarios:

 After starting a game, the user is prompted to enter one or more users to join the game.

- System crashes at any point in this process
- b. System is restarted
- User is not presented with a window to request other users once the game is created
- d. User requests users that are not currently logged in.
- User is presented with an error message saying the users he/she requested are not logged into the system

Choose Game: A registered user has a personal dashboard where they may choose to play between any of their already created games.

Primary Actor: Registered User

<u>Stakeholders and Interests</u>: Registered User - wants to be able to see all of the games that he/she is currently a part of.

Preconditions: User is logged into the system and a part of one or more games

Postconditions: A window is present that shows each of the games a user is involved in.

That user can click on any of these games to switch from one game to another.

#### Success Scenarios:

- A window is located at the side of user's screen that shows which games the user is a player in.
- 2. The user is allowed to click on any of these games to change to that game.

#### Extensions:

- a. The system crashes at any point during this process
- b. System is restarted
- c. While in one or more games, the window is not present to the user
- d. The user is not taken to another game once he/she has clicked on that game in the window.

## currently involved in.

Preconditions: A user is currently involved in a game

Postconditions: That user is not involved in the game that they just guit out of

#### Success Scenarios:

- A button is shown on a user's screen so that he/she can quit out of a game at any point.
- Once a player clicks that button, a popup is presented asking the user if he/she is sure they want to quit the game.
- 3. If user clicks yes, they are returned to the landing page
- 4. If user clicks no, they stay in the current game

- a. System crashes at any point during this process
- b. System restarts
- c. Player is not taken out of a game when they decide to quit
- d. Player is taken out of a game that they did not want to guit

7. **Make Move** | The system allows users to only make moves in games that they are currently included in.

Primary Actor: Player

Stakeholders and Interests: Player - wants to make a move in a game in which he is a player.

<u>Preconditions</u>: Player is a participant in some game that has not yet ended.

<u>Postconditions</u>: Player is allowed to make a move in such a game.

#### Success Scenario:

1. Player sees on their dashboard that they can make a move in a game.

### Extensions:

a.

- i. Player cannot make a move in a game in which they are included.
- ii. Player contacts system admin to resolve this issue.
- 8. Quit Game: Player may quit game at any time.

Primary Actor: Player

<u>Stakeholders and Interests</u>: Player - wants to quit game (possible forfeit) and no longer participate.

Preconditions: Player is a participant in game that is being guit.

<u>Postconditions</u>: Player is not a participant in that game, game counts as loss to quitting player and the game is ended for the other participant as a win.

View Profiles: A registered user may access their or another's profile from the dashboard, seeing their nickname and a history of their played games.

Primary Actor: Registered User

### Stakeholders and Interests:

- Registered User wants to be able to see another player's game history
- Other Registered User wants to show off their game history

## Preconditions:

- User is registered with the system
- Other users are registered with the system

## Postconditions:

Registered users are able to see each other's game history

#### Success Scenario:

 Registered user searches for another user by nickname or email, selects their profile and can view their game history

#### Extensions:

- Registered user searches for an email or nickname that is not registered with the system
- i. Screen displays text that informs user no account exists that is associated with the email/nickname
- 10. **Practice with AI**: A registered user may play a game against Artificial Intelligence.

<u>Primary actor:</u> Registered User Stakeholders and interest:

• Registered User – wants to play against the computer

## Preconditions:

• User is registered with the system

## Postconditions:

• No changes made to Users history

## Success Scenario:

1. Registered User can play a game with the computer.

