





System Requirements

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Definitions

Account page/area: the place where a user can manage their account

Game center: the place where a registered user can manage and create their games

Game: the place where a user updates scoring information about a specific game

Public Game ID: the code that lets others view a game

Private Game ID: the code that lets others view and control a game

Public Tournament ID: the code that lets others view a tournament and all games within it

Private Tournament ID: the code that lets others view and control a tournament and all games within it



Functional Requirements

The user will be able to create a single-user game

The user will be able to create a multi-player game

The user will be able to save a game's score.

The user will be able to view a game's score.

The user will be able to update a game's score.

The user will be able to join a game.

The user will be able to create a tournament bracket.



Non-Functional Requirements

The system will run on a React front-end.

The system will run on a Meteor back-end.

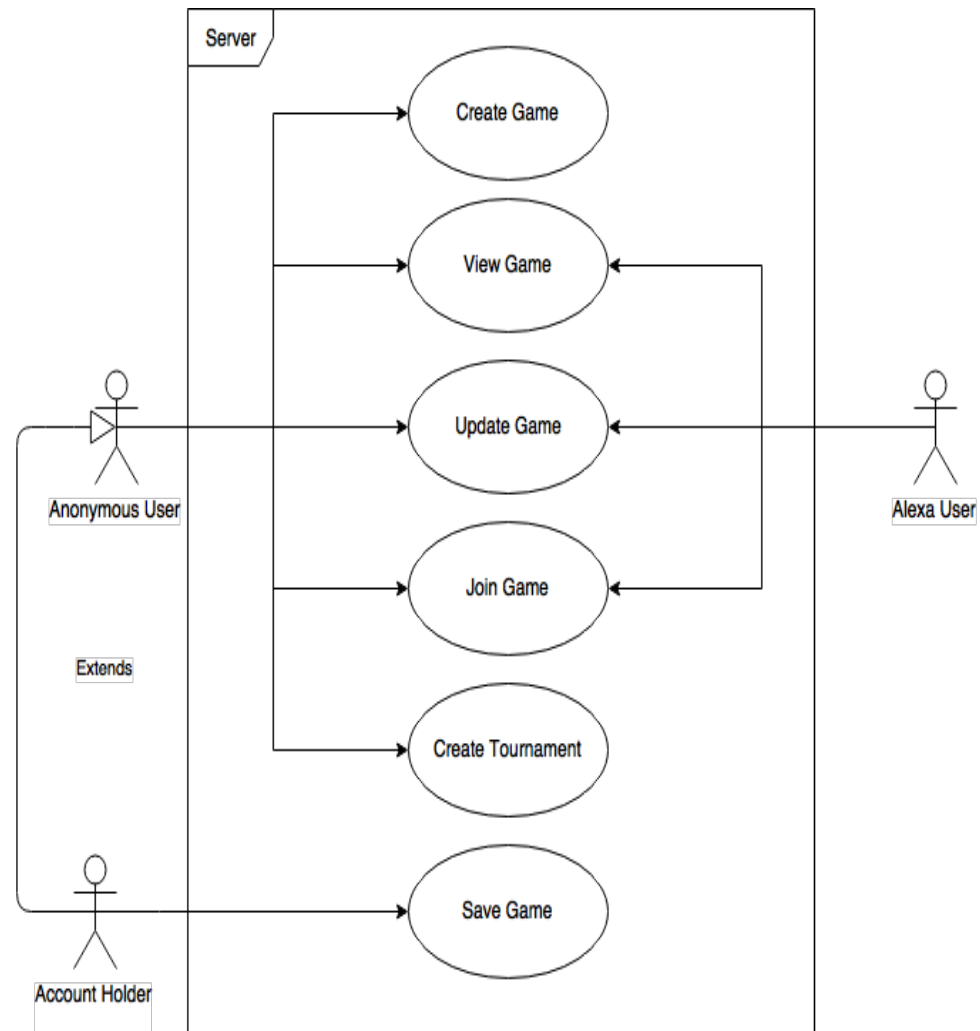
The system will utilize MongoDB as its database of choice.

The system must be able to co-operate with Amazon Echo.



Use Case Diagram





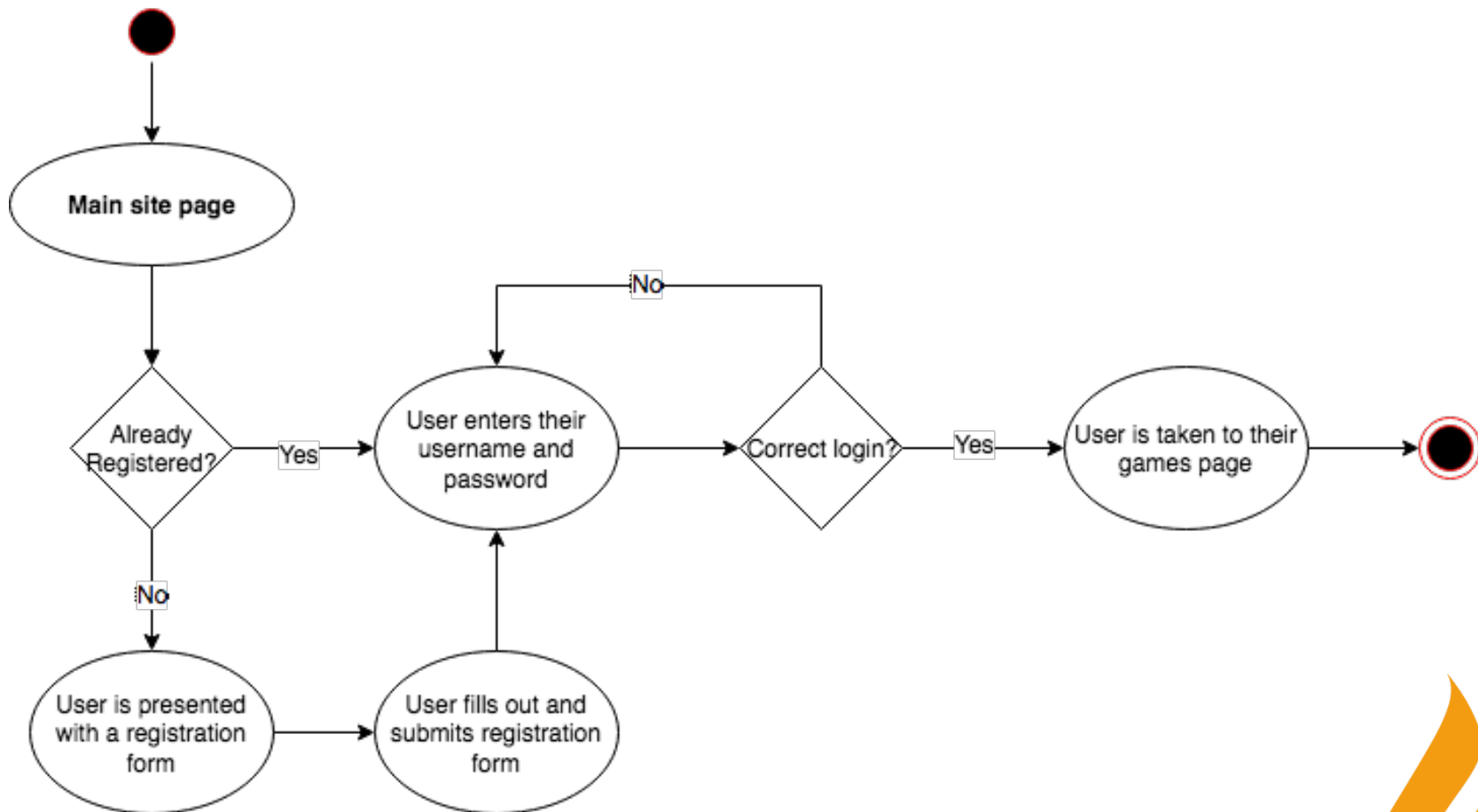
Use Case Diagram



Activity Diagrams



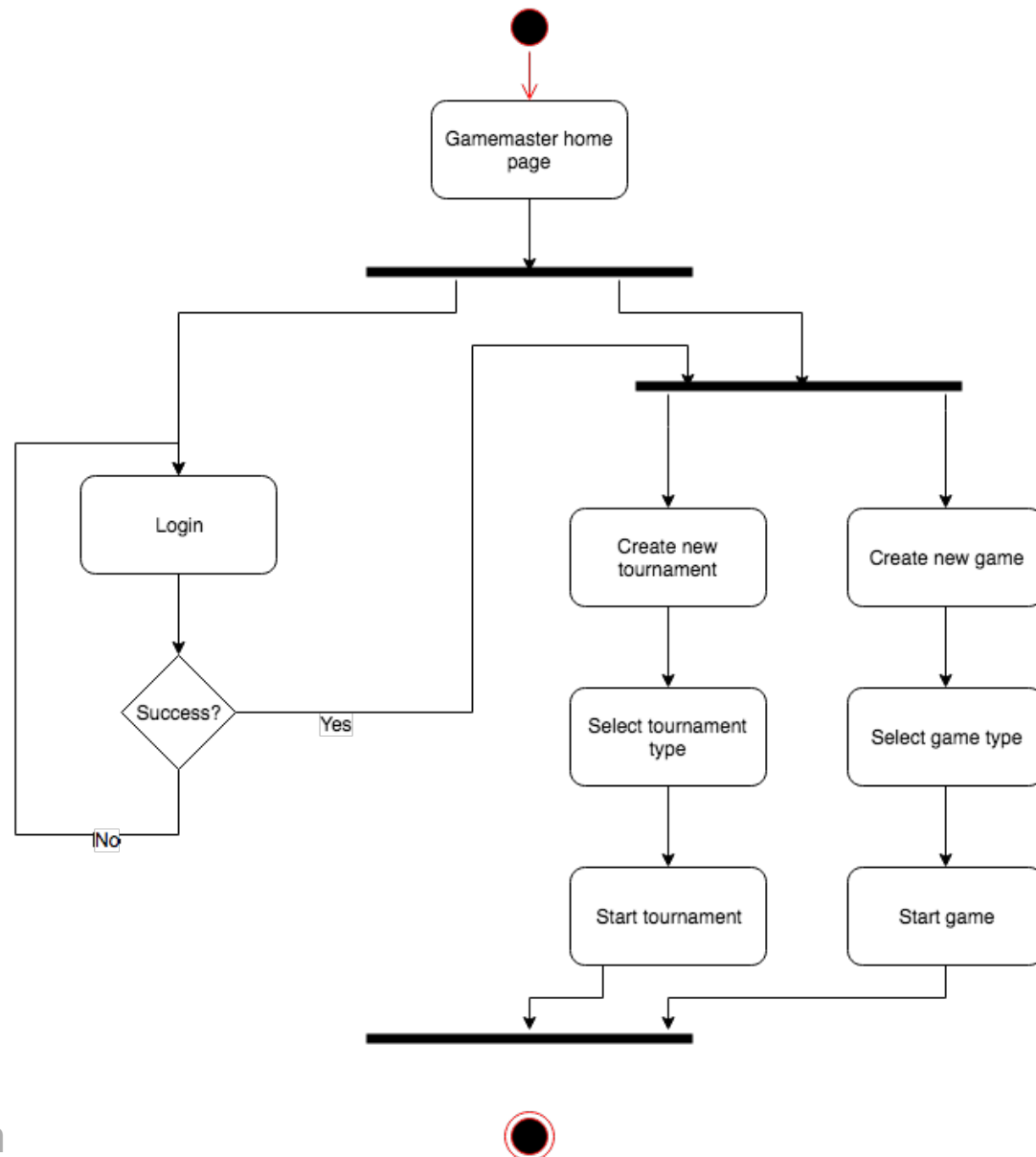
Skorch: Registration and Login



Activity Diagram



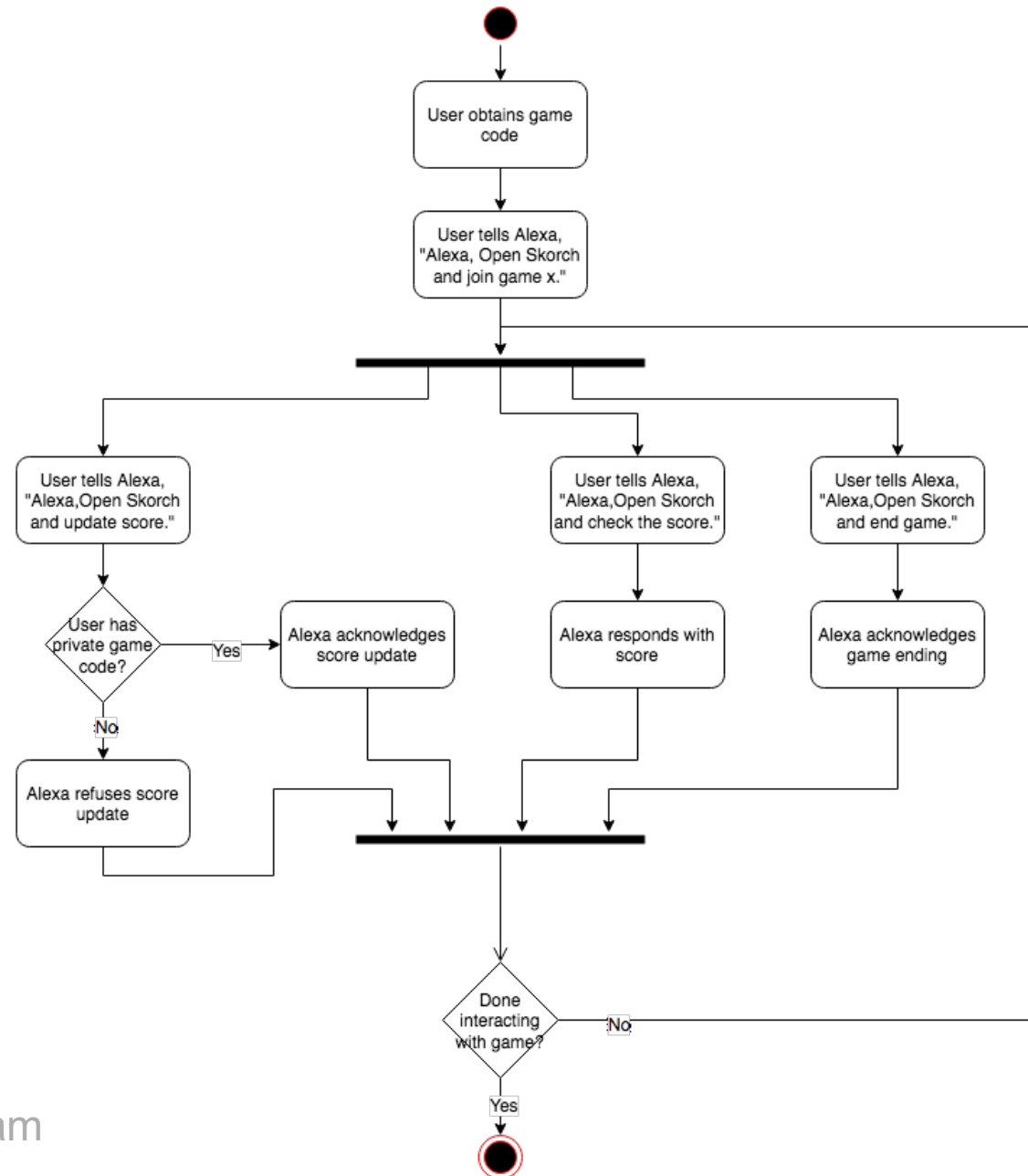
Skorch: Create New Game or Tournament



Activity Diagram



Skorch: User Connects Amazon Alexa to game

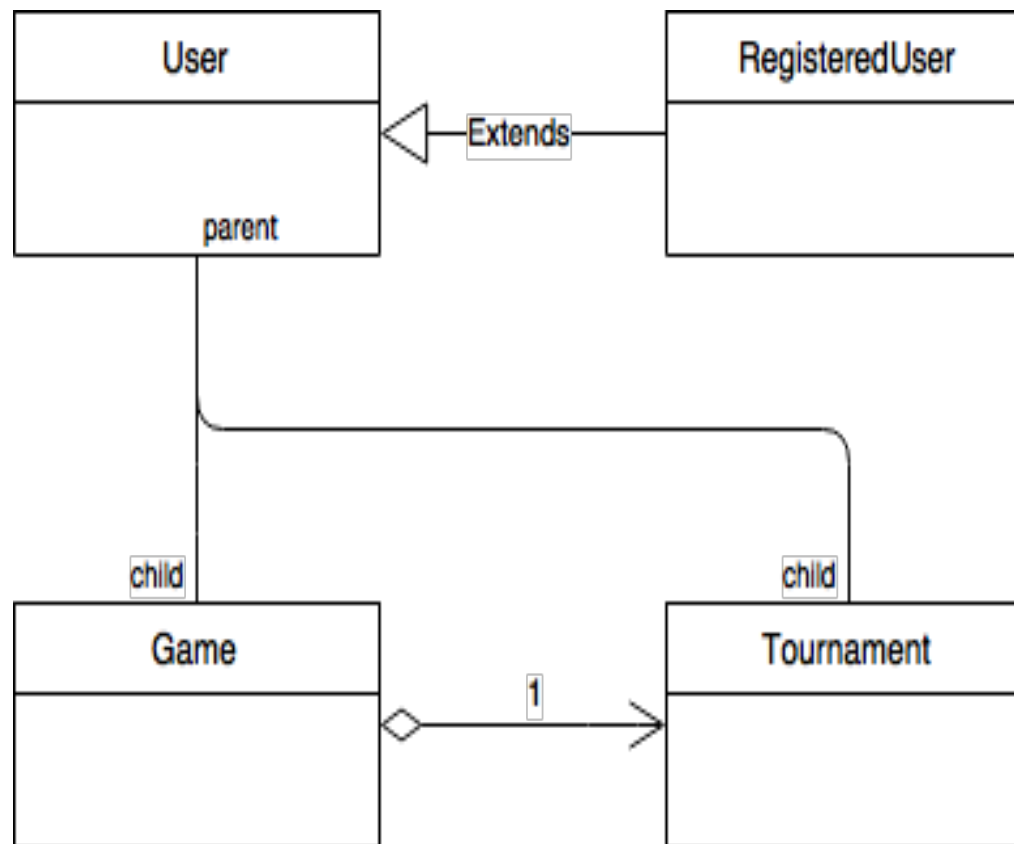


Activity Diagram



Class Diagram





Class Diagram





skorch