Product Backlog
CS 30700 - Team 15

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TriviaCast

Problem Statement

Google Chromecast and mobile gaming are exploding in popularity this decade, as traditional pastimes are modernized by the integration of technology in the home and in everyday lives. We aim to build a solid foundation in this market by combining these two technologies in the form of a trivia game application that streams live from player devices to a main display, without the hefty price tag that competitors currently carry.

Background Information

Domain: Chromecast users. This application will be suitable for anyone who owns a Chromecast device. This makes it accessible to a large number of people and the nature of this application is that people can play as seriously or as casually as they like.

Target: Social gamers. We understand that not all Chromecast users will be interested in our application, that is why we are aiming it towards the social gaming sector of the market. We hope to capture a significant share of Chromecast users who have an interest in gaming especially those who like to play with friends in real time.

Product Backlog

Functional

Backlog Item	Estimate
As a developer, I want to create a database of potential questions.	8
As a developer, I want to create a database for player statistics.	8
As a developer, I want to create a question user interface.	5
As a developer, I want to create a main menu interface.	5
As a developer, I want to be able to easily add questions to the database.	3
As a developer, I want solid exception handling.	5
As a developer, I want to manage game states on the server.	8
As a developer, I want the game state to reset to default each time the application is closed.	5
As a user, I want to be able to create a game with other users.	3
As a user, I want to be able to connect to my Chromecast.	3

As a user, I want to be able to save my game.	**8**
As a user, I want to be able to view my high scores.	**5**
As a user, I would like to chat with other users.	**8**
As a user, I want to be able to quit my game.	**8**
As a user, I want to be able to choose what types of questions I answer.	**5**
As a user, I want the ability to hear music in the background.	**1**
As a user, I want an easy navigation method.	**5**
As a user, I want to compare my scores with others.	**5**
As a user, I want to choose topics for my quiz game.	**5**
As a user, I want to be able to choose my avatar.	**8**
As a user, I want to be able to have a menu to edit certain settings for game modes. (Time per question, etc.)	**5**
As a user, I want to choose how many questions will appear in my quiz game.	**3**
As a user, I want to be able to login to save my statistics. (If time allows)	**8**
As a user, I want the option of different types of games. (If time allows)	**8**
As a user, I want to have a difficulty slider.	**6**
As a user, I want to be able to change my login/username. (If time allows)	**5**
As a user, I want to be able to view high scores/statistics of each game mode.	**8**
As a user, I want to be able to rejoin games if disconnected. (If time allows)	**8**
As a user, I want to view a leaderboard comparing me with other players.	**6**

Non-functional

Backlog Item	Estimate
As a developer, I want answer schemes to be securely hidden from users.	**8**
As a developer, I want to make system scalable (10-20 users).	**13**
As a developer, I want to have a backup server in order to maintain server downtime.	**5**

As a developer, I want to be able to authenticate users.	**8**
As a developer, I want to write modular code that is easily reusable.	**5**
As a user, I want the game to have a fast response time with little to no lag.	**5**