

Project Proposal



Colton - Sophomore in computer engineering and this is my 4th semester, coding classes I have taken are ComS 227, Coms 228, CprE 185, CprE 186 and I took AP Comp Sci in Highschool. I am proficient in Java, C, and python. I have been doing Java for four years , C for two, and recently picked up python.

Ben - Freshman majoring in Computer Science and Math. This is my second semester. I have taken Com S 228, and have credit for 227 due to the Computer Science AP test in High School. I am primarily proficient in Java. I have had internships, but none that offered direct coding experience.

Riess - Junior in Computer Engineering. This is my 5th semester at Iowa State. I have taken ComS 227, 228 and CprE 185, 281, and 288. I am proficient in Java and C and have done a little bit with Python.

Jung Ho - Junior in Computer Engineering. Taken ComS 227. Transferred ComS 228 from Korean University. Proficient in Java, C++. Starting to learn Python.

Project

Name: Card Game Maker

Problem being addressed: Card game entertainment

Description of project:

- Our project will give users the ability to create any type of card games from trading games, gambling games, and etc. It will allow users to create an account to make games, follow other users, customize card decks, and play other users games. There will be an area to find games from default games, popular games, and brand new games. There will be three different types of users the Players, Creators, and Moderator, The players play any of the games that have been posted and will be able to have a live chat with the other players currently playing. They also can give the ratings to the card game and give a feedback to the Creators. Creators have the ability to create any kind of game that they would like and can choose from customized decks to the default deck of cards. Last, moderators will be monitoring the new decks of cards and games and need to be approved before being published.

Language/Platform/Libraries: Spring Boot, Android Studio, MySQL

Large/Complex:

Will require us to get familiar with mobile/web development.

Needs screens to allow playing, creating, and searching for card games.

Additionally will have an account system so people can log in and keep track of every game.

Because the games will be created by users, the play screen will display variable information based on what is needed.

Supports single player and multiplayer card games, as well as allowing for multiplayer ones to be played on separate devices.

Supports custom card art.