

Poster Day Application

Team 3

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Overview



Overview

- Mobile platform for academic poster sessions
- Poster day judges votes for the best poster
- App aggregates the totals and return the winner

Roles

- **Admin:** start, end, and initiate score aggregation to determine the winner
- **Judge:** have permissions to submit scores/votes for the posters
- **Participant:** upload a digital file of their poster, and will have view-only permissions to view other poster submissions.

Technical Platform



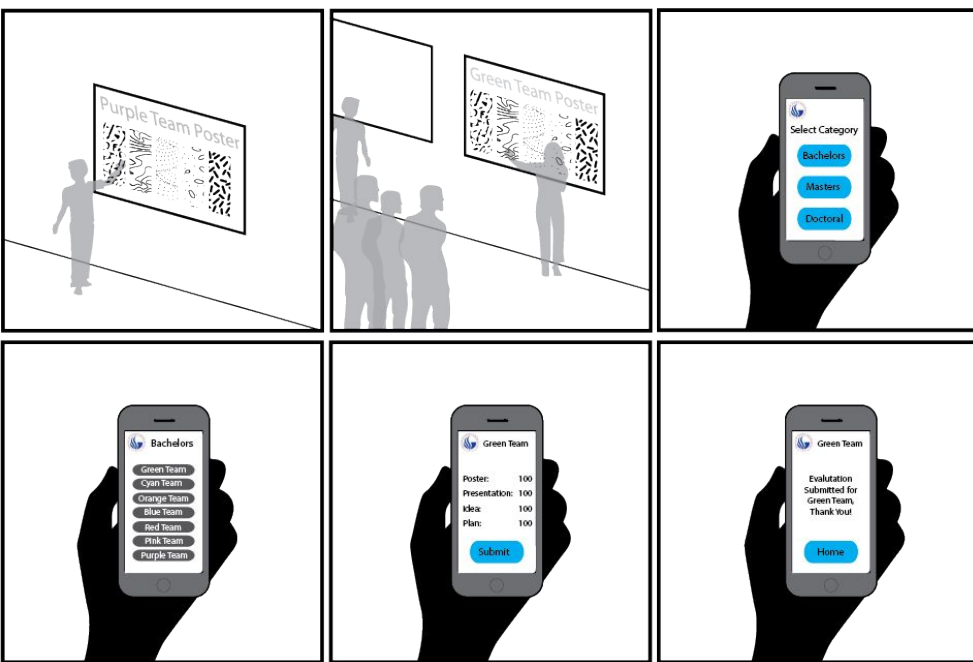
Android development: Kotlin and Android Studio
Database: Firebase Firestore

iOS Application

We will also attempt to create an iOS app by sharing the backend code using Kotlin Multiplatform Mobile plugin. This plugin allows sharing of backend code, while building the UI natively for each target platform. Therefore, the iOS version will also require some work with Xcode and Swift.

API

Time permitting, an API will be created using AWS Lambda that can return lists of past participants, posters, and winners.



- **Highest Effort**
 - Meets most of our requirements
- **Tasks:**
 - Category selection
 - Poster/team selection
 - Poster grading
 - Grade submission
- **Resources:**
 - Separate repositories for categories
 - UI for selections and grading



- **Lower Effort**
 - Less tasks to complete
 - Easier tasks
- **Tasks:**
 - Category selection
 - Counting votes
 - Selecting highest score
- **Resources:**
 - UI for selections, counting votes, and winning team