

Project Proposal

We seek to develop an application that can be used to entertain restaurant patrons by connecting them with other patrons. The application will force the user to register at a table by scanning a QR code, this serves to connect the user to the restaurant system and insure attendance inside the restaurant. Users will be able to play party games with other guests signed into the application while waiting for their food to be prepared. For the scope of this project, users will be able to play rounds of trivia against other tables. To keep the game lively, users will be playing in speed rounds, and will need to answer as many questions as possible within the time limit. If a question isn't known by the table the user shake the phone to get a new question.

Mobile Features:

1. Camera - Used to scan the QR code
2. Accelerometer - Used to shuffle the game
3. GPS - Geo location of players
4. Microphone - Detection of answers (Stretch)

Functionality:

Min - User profile with panel the displays user information and can be edited. Camera able to scan QR code to attach user to host table.

Expected - Functional trivia panel, various topics, and shake functionality for changing questions. Text based input for scoring. GPS location showing where other users playing against the user are located (pre and post game).

Bonus - Microphone detection of users answers to trivia questions. Application allows user to place an order with question via app or pay the bill.