

Project Proposal Document

Author: Betram Lalusha

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Verbal Description

Visor is a question and answer platform that aims to help users find whatever they are looking for, wherever it is. It is a mobile app available on both iOS and Android. Visor's key features include users asking questions, responding to questions, downvoting and upvoting questions and responses. Users can also check into a particular location to answer questions about that location. In time, Visor also aims to be able to help users to navigate to specific items within buildings.

Justification

Visor is a reasonable project for this course for the following reasons

1. It allows me to employ skills that I have learned in previous courses. Examples include mobile application development, database design and implementation, and data structures and algorithms
2. By working on a centralized server that is shared by both the iOS and Android apps, Visor will improve my understanding of server and RESTFUL API design, implementation, and testing
3. Implementation of important aspects such as Geohashing to find places closest to users, persistence, image recognition, and infinite scroll where appropriate will make the project challenging
4. Working on Visor will develop my skill set in database security by provoking me to ensure that sensitive user data is stored securely
5. Working on Visor will also enable me to think critically about how aspects of the app, like location sharing, can pose a great risk to users and make me critically consider how to ensure the safety and privacy of all users

6. Research that will be conducted on creating and rendering of maps of places will provide a learning opportunity for me