**Design Project 3**

**Part 1**

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**Problem** – I want to find parking lot near me or near where I’m going to, so I want an app that will show me where I can park my car.

**Who is affected** - This app will benefit anyone want to park their car.

**Solution** – Each parking spot will have laser sensor that can detect whether or not there’s a car parking in it, the information about that spot will be sent to the app. Users can then see if there’s any empty splot in the selected location, so they can reduce the time it takes to find an empty spot without the app. The app also has statistics like empty spot ratio per hour in the past, so user can predict whether or not they should park their car in that area. Maybe the app can predict parking lot pattern of that are, so the users can use that to adapt their parking habit for their convenience.

**Problem** – Improve historical places, so I want an VR app that can show me information about that place when I point my camera to certain spot.

**Who is affected** – Those whose love history or want to visit historical locations.

**Solution** – This AR app will show extra information specificly to that location. For example, like a historical place about war, we can show the re-create of that battle on specific spots. Or places that have complicate structure that visitors can’t get in, we can use AR to demonstrate that place so the visitors can understand further more. The reason for using AR is that we can feel and grasp the history about that location easier through animation or imagery informations not just words or static structure in it. So that people can be impressed => they can remember history longer.