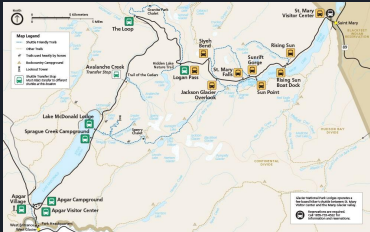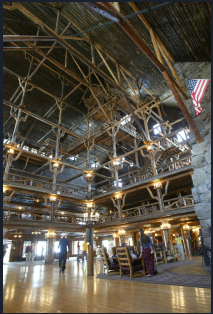# InfoParks USA

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Project Overview

- Location based mobile application for Android and iOS.
- Application can be downloaded with maps for offline use.
- The application caters to anyone who wishes to travel to a US National Park, from the novice to the expert explorer.
- The main purpose of the app is to provide information to the user about the park they are visiting.
  - Park visitors can use the **packing feature** to find out what to bring for the trip.
  - Depending on the time of the year and park rangers recommendations, the app will tailor a packing list. Like bear spray if you are going to a bear habitat.
  - Other users may also use the app to find more information about the park like,
    - visitors centers
    - main attractions
    - map of the park

Prototype Design

- We developed an Android application using java
- We used a MVC architecture
- We used Google chrome and maps API for location services
- We used ten activities to implements the different features of the application.
- For the Demod we are using Android virtual emulator with a 3XL 1440x2960: 560 dpi running Android 9.0 API 28

What we planned:

- Viewing previous trips
  - Able to view once a trip is completed and stored on user's profile
- Receiving recommended packing items
  - Based on location and date of trip
- List of parks to choose from
  - Pre generated popular national parks in US to choose from
- Viewing park on map
- Viewing park images and website

What we Implemented:

- Packing List
  - Allows users to add items
  - Gives a different suggested list based on the month user is traveling
- Camping Ground
  - Searches for camping ground near the location of the user
- Access to Map and Web for specific park
  - Allows user to go straight to the park on Google Maps
  - Allow them to go straight to the website of the park for more information

What we can implement:

- Working on specific activities to do in the park
- Chat that let other campers visiting or have visited in the past for personal feedback
- Review each park
  - Suggestions for improvements
  - Any complaints
- Review feature for the app
  - Suggestions for improvements
  - Any complaints