

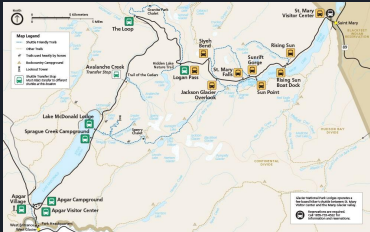
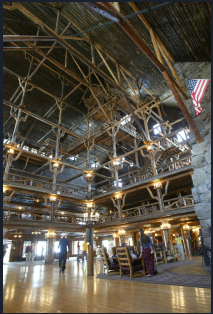
InfoParks USA

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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



NATIONAL PARKS

ELL EXPLORERS GUIDE 1872

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

1. Yellowstone - 1872
2. Sequoia - 1890
3. Yosemite - 1890
4. Mount Rainier - 1899
5. Crater Lake - 1902
6. Wood Canyon - 1903
7. Mount St. Helens - 1925
8. Glacier - 1910
9. Rocky Mountain - 1915

10. Lassen Volcano - 1916
11. Mount Whitney - 1916
12. Denali - 1918
13. Grand Canyon - 1909
14. Zion - 1909
15. Acadia - 1916
16. Adirondack - 1925
17. Bryce Canyon - 1933
18. Grand Teton - 1936

19. Carlsbad Caverns - 1923
20. Grand Smoky Mtns - 1934
21. Shennandoah - 1935
22. Olympic - 1938
23. Kings Canyon - 1942
24. Lake Mead - 1942
25. Mammoth Cave - 1948
26. Big Bend - 1944
27. Everglades - 1947

28. Virgin Islands - 1956
29. Haleakala - 1961
30. Petrified Forest - 1907
31. Canyonlands - 1964
32. North Cascades - 1968
33. Badlands - 1964
34. Capitol Reef - 1921
35. Arches - 1931
36. Granddunes Mtns. - 1972

37. Virginians - 1975
38. Theodore Roosevelt - 1978
39. Redwoods - 1978
40. Channel Islands - 1980
41. Sequoia - 1980
42. Kalbarri - 1980
43. Silver Lake - 1980
44. Gates of the Arctic - 1980
45. Grand Canyon - 1980

46. Katik Valley - 1980
47. Lake Clark - 1980
48. Mount St. Helens - 1980
49. Great Basin - 1986
50. American Samoa - 1988
51. Denali - 1992
52. South Valley - 1994
53. Sequoia - 1994
54. Joshua Tree - 1994

55. Black Canyon - 1999
56. Colorado Valley - 2000
57. Congaree - 2001
58. Great Sand Dunes - 2004
59. Pinnacles - 2013
60. Gateway Arch - 2018
61. Indiana Dunes - 2019



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

