

The Big Project Planning Document

The primary [project requirements](#) are listed below; we may make minor additions before the delivery date, but nothing that would prevent using any code you write before then.

What's the name of your app/product?

TNP → Travel National Parks

What is your name?

Bathuyan Nyamdavaa

Who are your target users? Who would use your app?

Travelers

What benefit would they gain by using your app?

They will see all national parks at one place

Name and briefly describe the app's screens (four or more required)

Name	Description
Home	Google Maps - Showing National Parks
Info	National park Info
Rating	Rating of National Park
Weather	Weather Cost by Months

What Material Components for the Web components will you use?

Hamburger Menu, Columns, Templates

What data API endpoints will your app be using? (two or more required)

Weather API

National park API

What visualization will be included in your app? (Google Maps, Google Chart, d3.js, etc.)

Google Maps

What data will you store in and retrieve from the IndexedDB?

Visited National Parks

What device interaction(s) will your app utilize? (one or more required)

Geolocation

What app shell assets will your app's Service Worker cache?

Static Data that speeds up the loading process.

Basic Requirements:

1. Uses the Single Page Application architecture,
2. Includes at least 4 screens;
3. UI built using Material Components for the Web;
4. Retrieves data from at least two different endpoint domains (can't use multiple from the same source);
5. Includes a visualization (map, chart, or ?);
6. Stores and retrieves data from the IndexedDB;
7. Utilizes some hardware feature (sensor, camera, microphone, etc);
8. Installable as a PWA

Events

What are the key events, objects and actions in your app? (Sample content below. This page is for you to think through some of the issues *before* you start coding.)

Object	Event	Action
<i>page</i>	<i>load</i>	<i>Coche</i>
<i>nav button: <name></i>	<i>click</i>	<i>show screen <name></i>
<i>API</i>	<i>Response from <data source> received</i>	<i>parse. Json.</i>

Unknowns

What don't you know that you need to know?

Schedule

How will you have a product to deliver on the deadline date?

What are the milestones in your development of the project?

sample content below

Decisions and/or deliverables	Date
Planning and drawing out what the app needs and will look like	
Beginning implementation, mcw/navbar/screen loading	
Filtering options and API calls	
Visualization	
PWA - Service Worker, Manifest, Cache	
IndexedDB work	
Polish/Final Tweaks	
Product Delivery	04/28/2021

Resources

What are your resources for the following technical topics? (Should include a documentation resource and could include class samples you'll consult)

Topic	Resource Links
Material Components	
Single Page Applications/Multi-Screen App	
AJAX calls	
Your visualization option	
Your device feature option	
IndexedDB	
Making your app installable	