

Who: Oliver Hanna, Tristan Wagar, Connor Fitzgerald

Title: Smart Map

Description: A website displaying a map of Boulder showing the free and paid parking available at certain times.

Vision Statement: Our vision is to provide an easy to use map of Boulder that allows users to find the best parking available at any time of the day.

Motivation: It can be difficult to find good places to park around Boulder, especially because on places like campus and pearl street parking is only free on certain days and at certain times.

Risks:

VCS: GitHub

Requirements:

User Requirements

ID	Description	Agile Sizing	Priority
UR-01	As a user, I want a map of Boulder which is quick and easy to navigate.	3	Very-high
UR-02	As a user, I want to be able to find locations where I can park in Boulder.	5	High.
UR-03	As a user, I want to be able to differentiate between free and paid parking easily.	3	Medium.

Functional Requirements

ID	Description	Agile Sizing	Priority
FR-01	Must have use Google maps API to display a map of Boulder.	3	Very-high
FR-02	Must display useful parking information in boulder.	5	High.
FR-03	Include other useful information beyond parking, like traffic, weather, etc.	5	Low

Non-Functional Requirements

ID	Description	Agile Sizing	Priority
NR-01	As a user, I want the map to be easy to access.	1	High.
NR-01	As a user, I want the map to be easy to use and simple to understand.	5	High.

Methodology: Agile

Project Tracking Software: Trello

Project Plan:

Map

Create a website that displays a map of Boulder.

Add functionality to navigate and search the map.

Add a card...

Parking

Find data for free and paid parking in Boulder.

Display parking data on the map, differentiating between free and paid parking.

Add functionality to search for different types of parking places.

Add a card...

Further Information

Select other types of information to be displayed on the map.

Find data for other selected types of information.

Display other selected types of information on the map.

Add functionality to switch between what data is being shown.

Add a card...