10/20/2018

Road Traveler app PRD

Justin Cheng, Peter Chang

# Vision

For our current customers that are regularly planning road trips within the United States, they need an application that can help them to find interesting locations by category based on their choices. Our product is a new trip planner that provides a detailed search by category while the trip is ongoing. Unlike Google and TripAdvisor, we are a combination of those two.

# Motivation

## Unmet Needs

I believe some families or people find out its time-consuming and difficult when planning a complete road trip with the sites that they can drive through to their destination without diverge their main route and interested in.

## Customer Segmentation（Persona）

### Possible Users:

Possible Users are usually going on road trip once or twice a year, they are either travelling with few friends or with their family. Most of our possible users indicated that they need to run Google maps to search for the route then use either TripAdvisor or its equivalence to find interesting locations for them.

### Possible attractions

Attraction hotel or other paid facilities need to attract new customers, usually restaurants and accommodations. Currently we don’t have any actual hotel or facility owner to discuss with this issue however I believe they are willing to pay for small ads like this to promote themselves.

### Existing Solutions

The most common existing solution for the people that plan to have a road trip is whether search on the google map personally or ask friends about the places they’re interested in and see if that’s on their road trip route. If yes, they’ll put them on the map and plan the route that passing through all these places. And when they’re on their way and want to see if there are some nearby places they want to visit; they’ll simply use google map to guide them there.

# Use Cases

Persona

### Family Man Eric

#### Eric has a happy family with two kids. Between their mortgage, car payments and saving for their children’s education, Eric schedules at least one annual road trip with the family. He is willing to pay a small fee for a better planner rather than go through the trouble with Google Maps and TripAdvisor and dealing with multiple files of interesting location’s information. He also needs an easier way to find kids-friendly locations.

### College Student Sam

### Sam is a college student that enjoys going on road trips, at least once a month. He uses TripAdvisor or Mafengwo (an equivalence of TripAdvisor) for getting reviews on hotels and resorts and Google maps for Navigation and planning his route. Sam enjoys going to beautiful lakes, ocean and waterfall view because it attracts him the most.

## 

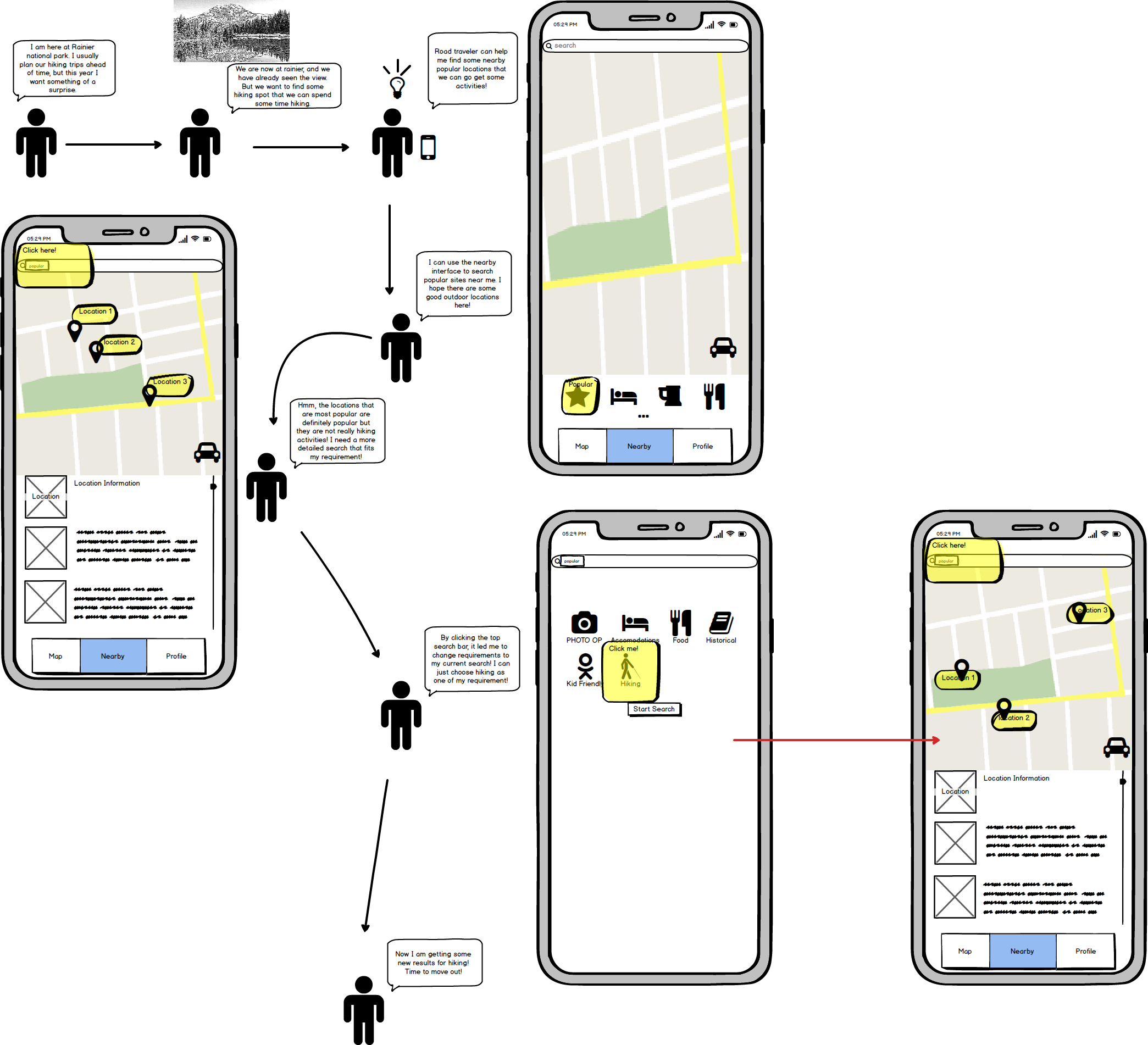
## User Storyboard

### Father user story

Eric wants to plan a long weekend with his family and kids, and this year they wanted to go back up to Door county from Milwaukee again for a family trip. Instead of doing through research and print the itinerary out, Eric just takes out his phone, searched the best route between Milwaukee to Door county with three categories within his mind, Children’s attractions, Points of interests and Outdoor activities. Eric clicked and unselected those spots they’ve been before, then he saves the trip into his profile.

## 

### Hiker User Story

Sam loves to go hiking with his friends. They find hiking spots with beautiful ocean and lake view or waterfalls all the time. They are planning their next hiking trip to Rainier National Park, but they want to find some spots that requires some outdoor hiking to get to the photo opportunity while getting some actions since they are all hiking enthusiasts.

# Detailed design & Features Description

## Design Principles

## Good Usability

## Clarity

## Learnability

## Credibility

## Relevancy

## Modern and Minimal Design

## Features/Information Architecture

## MVP

This is Road Traveller, a road trip planner that is customized by different user's requirements. After login into "Road Traveller", we are looking at our home page, the nearby page that can show you some interesting spots that are close to your current location, you can also search by using a keyword to find something specific that is near you in this page.

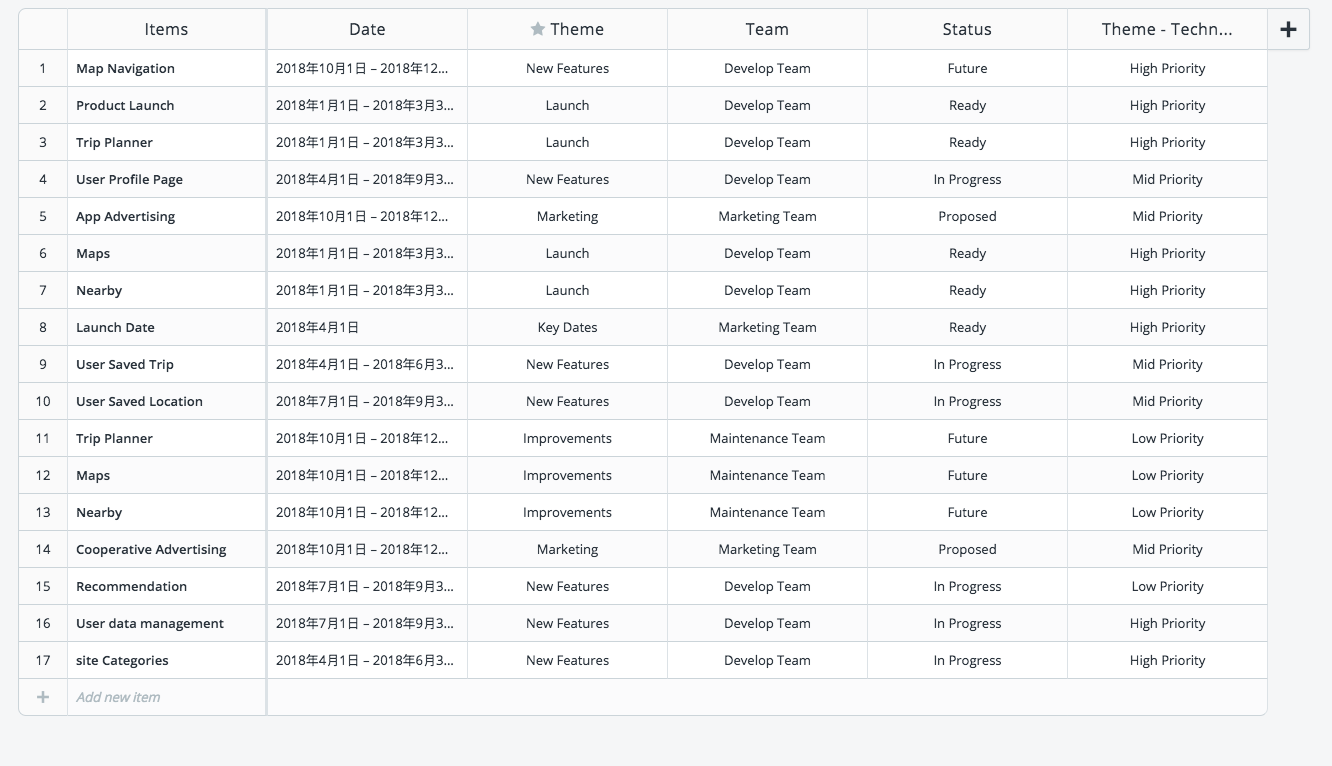
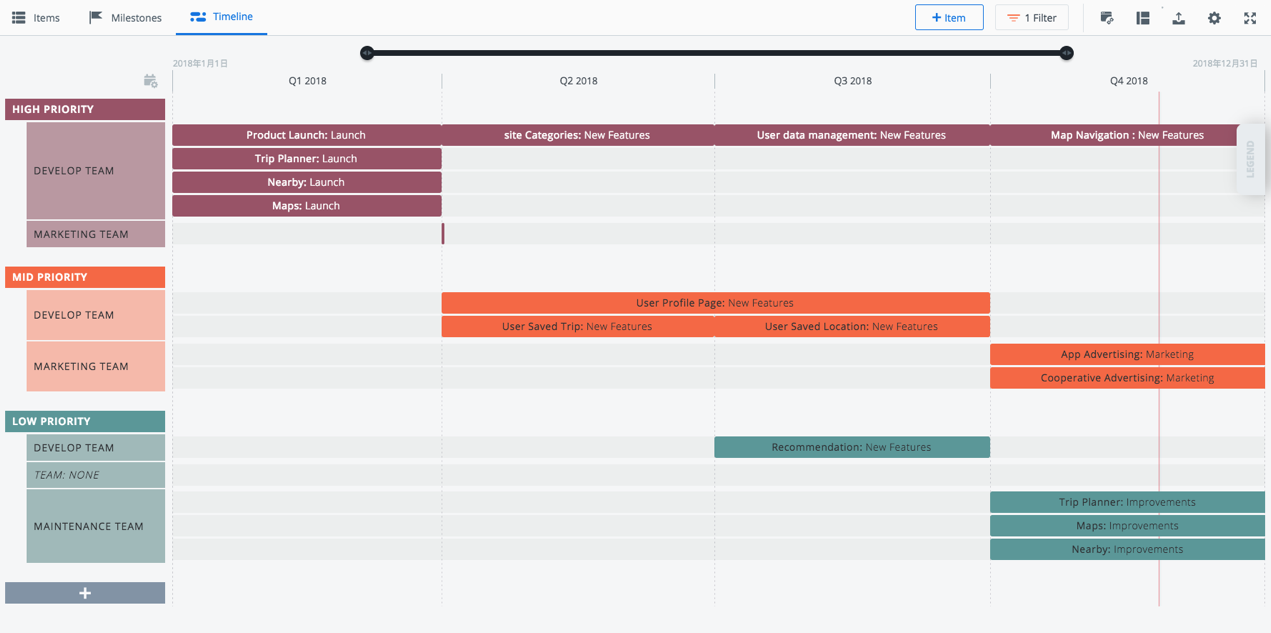
When we click the maps option at the bottom, it will jump to a page with maps and will provide some highly rating sites for you as well. Also, there will be the navigation page when you going on a road trip, which is our main function.

By clicking the blue car button, you can plan your road trip easily. First, you’ll need to input your starting location and destination. Then you can choose the specific category you want to visit during the road trip. And when that’s all done just start a new trip, a well-planned route will show on the screen!

The Road Traveller app also provides functions for user save their trips and have some other personal functions. people can save not only a planned trip, but also your favorite spots and even offline maps

# User Walkthroughts: Visual Use Case Walkthroughs with comments

# roadmap/timing



# Metrics

We will take two things as the metrics, which are the numbers of the user that register, the numbers of user search for destinations and nearby sites.

The most important metric we will track the numbers of the user that register and sign up for using more custom functions by Google analytics, which means they are willing to keep using our app after first trial and think this app might be helpful for them in the road trip.

Also, we will take the numbers of user search for destinations and nearby during the trip into considerate too by the tracking software “Mixpanel”, because these metric same have the potential chances that they might keep using our app in the future.

# International

Expansion into international markets isn’t something that we believe is make or break for the overall success of Road Traveler. We feel that the success of road traveler will rely heavily on knowledge of the domestic road trips. We do not currently have plans right now, to include international options with our future versions of Road Traveler due to the complexities of travel site information, lack of knowledge of international markets and limited resources. However, this could be expanded into our future if there is a need for road travel in other countries.

However, we believe that once our brand becomes better known and we complete our expansion into all U.S. markets, we believe that expansion into the European market would be the most ideal. Even though a driving road trip on the European continent is not as famous as some of the greatest American road trip, there are some significant important European routes as well. However, since Europe have lot more public transport ways to travel between different places and countries, a road trip map might not in high demand.

# Projected Costs

# Operational needs

# Caveats/Risks

## Interdependencies with key internal systems: The key internal system heavily relies on the availability of Google Maps

## Availability of required 3rd-party complements: right now, Google is providing Google maps API with a reasonable price. However, the pricing is based on volume.

## Competitors: As of right now the current market relies on Ads, it might be beaten by a well-funded competitor.