

Pittsburgh Explorer Sprint 1 Presentation

Team 19

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Executive Summary

- Background and Introduction
- Sprint #1 summary
- Spring#1 Process report
- Sprint #1 Demo
- Challenges
- Next Step >>

Pittsburgh Explorer

Your best weekend planner

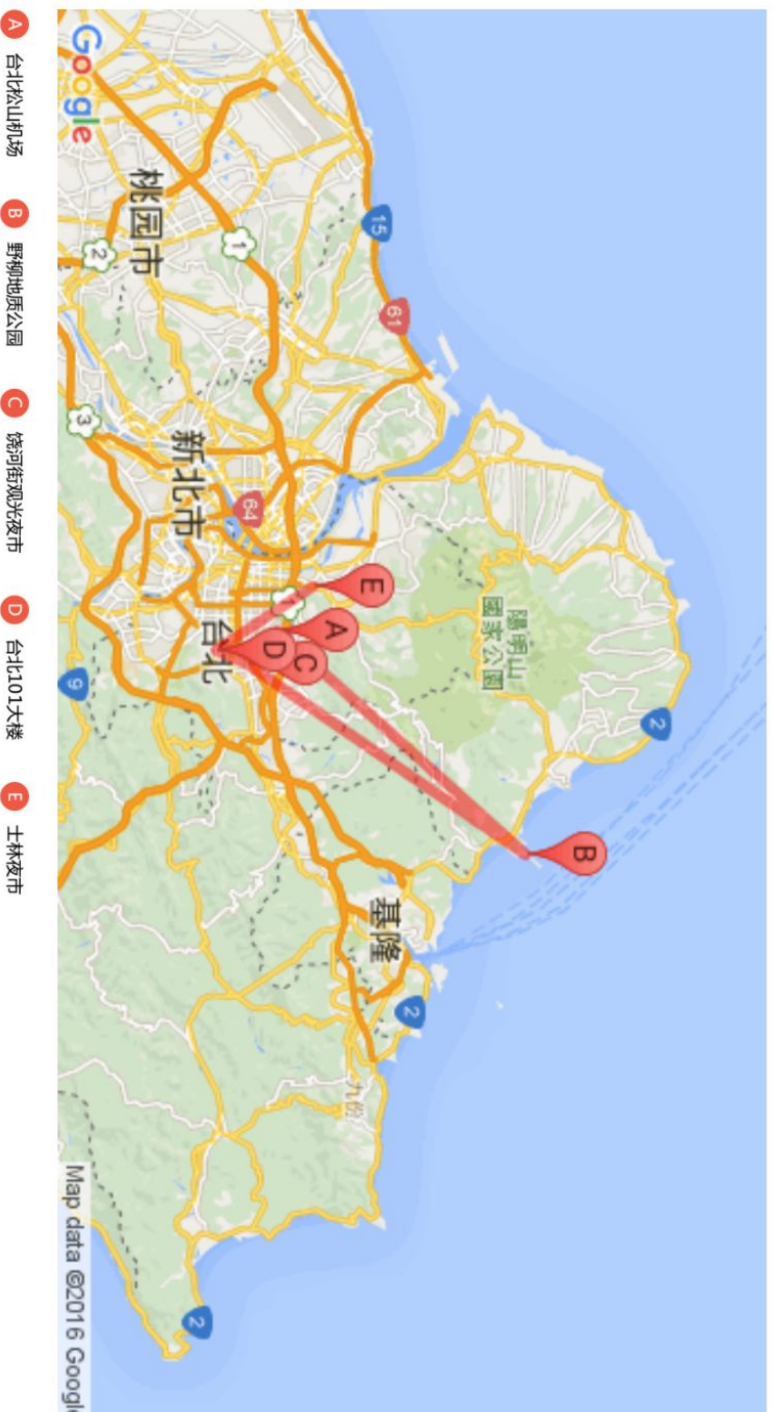
Background and Introduction

A web app intended to simplify your weekend day planning



Background and Introduction

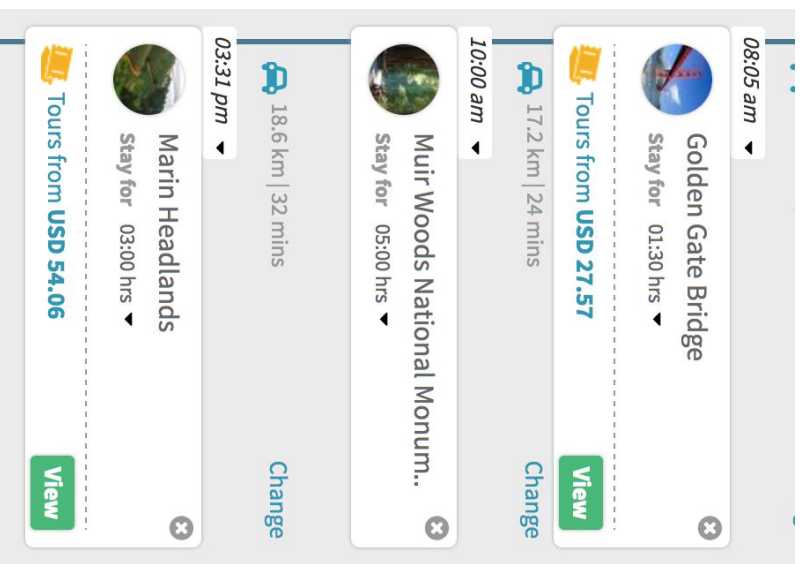
A web app intended to simplify your weekend day planning



A Map Overview

Background and Introduction

A web app intended to simplify your weekend day planning



An Itinerary
with budget control

Background and Introduction

A web app intended to simplify your weekend day planning

士林夜市 E

美食街/夜市

地址 台北市士林区大东路。

时间 夜市17:00-次日2:00。

交通 搭乘捷运到剑潭站（淡水线）即可到达。

介绍

士林夜市是台北最具规模的夜市之一，大致上分成两大区域：一是剑潭捷运站对面、基河路上的“士林观光市场”；另一以阳明戏院为中心，延伸至大南路、大东路、文林路围成的区域。士林夜市简直就是旅行者认识台湾夜市的起点。士林夜市的范围是文林路、基河路、大南路围起来的这片区，不仅到处都是小吃，卖各式衣服、小首饰、特产、纪念品的店也一应俱全，整个区域，边走边吃可以逛一个晚上。



从大南路慈诚宫前，以及文林路阳明戏院前那整排的小吃开始，逛士林夜市首重“巷弄”，在这如迷宫的片区中，很多老字号美食经常就藏在不经意的拐角中。吃饱喝足了，再逛逛大东路人潮汹涌的商店街(九成以上都是游客)，再转到基河路的游戏摊赢一些奖品，这样你的士林夜市之旅就圆满了。士林夜市有一些专门坑游客的水果摊，都上了好几次新闻，要买水果前切记先问清楚价钱。

A detailed
Introduction of
each Attraction

Sprint 1 Summary

Design of web pages, web scraping and functionality feasibility research

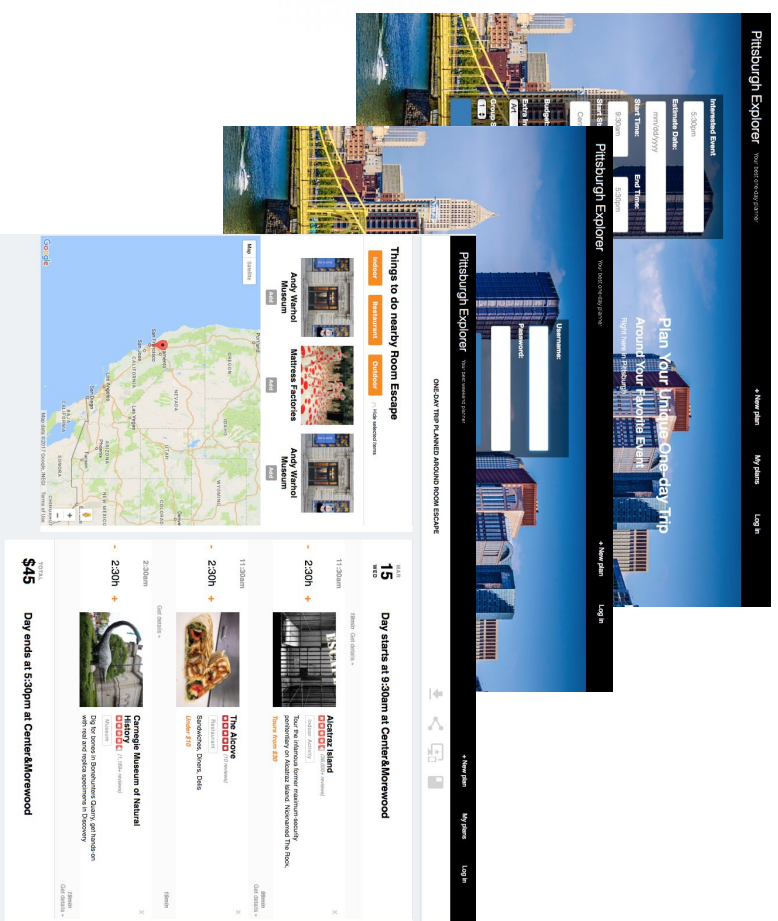
- Design of major web pages
- Creation of all Django models and forms
- Data scraping for attraction DB
- Google Map API research and basic implementation
- Feasibility analysis of current scope

Sprint 1 Process Report

Web pages design and basic functionality implementation

Original goal:

- **Web page design** for draft version of
 - home page (day planner, suggestion bar, navigation, map, toolbar)
 - New plan search page (also available to temperate non-login user)
 - Registration / Login page
 - Login Page
- **Login authorization** and basic *User, Plan, Attraction, UserInfo, Django model&form creation*



Sprint 1 Process Report

Web pages design and basic functionality implementation

Original goals:

- **Web scraping** for attractions and dining information from TripAdvisor, Yelp for name, location, image, web link, description, rating, estimated time spent.
- While scraping, taking into consideration of **information for future PDF generation use** and open hour/date options in calculation.



Completed goals:

- Real-time scraping not feasible, weekly update for data freshness
- Scrapped web data from TripAdvisor through scripting on intended categories. Need to scale up with some manual scraping process

Sprint 1 Process Report

Web pages design and basic functionality implementation

Original goals:

- **Research** about Google Map APIs with function of
 - Web information get (time spent) and post(location, transportation method, travel time/date)
 - Add-in div for map display
- **Display of Google Map on draft HTML** ability to Zoom-in



Completed goals:

- Able to display on html
 - Set Default Zoom in location
 - Zoom in/out
- Able to identify route with start/destination, time estimation

Sprint 1 Demo

Design of web pages, web scraping and functionality feasibility research

Pittsburgh Explorer

Your best one-day planner

+ New plan

My plans

Log in

Interested Event

5:30pm

Estimate Date:

mm/dd/yyyy

Start Time:

9:30am

End Time:

5:30pm

Start Street:

Center

Start Cross Street:

Morewood

Budget:

Bankrupt

Extra Interest:

Art

Group Size:

1-3

Check out the day Plan

Plan Your Unique One-day Trip

Around Your Favorite Event

Right here in Pittsburgh

Challenges

Challenges in mind during Sprint 1 and future implementation

- Drag and drop — DB connection using javascript
- Itinerary editing method: cross-section drag&drop
- Ajax implementation scope concern
- Virtual user planner detail storage(DB)
- Location recognition — dropdown, nearest location?

Next Step

Sprint 2 Goals

- Complete scrapping of data in all categories with DB loading complete
- Itinerary page function coded up
- Itinerary page redesign for drag&drop
- Google Map API Interaction with current plan
- Google Map element index and respond in current html display
- Mobile and pdf functionality research

Q3A