Project Specification Document

Team 34
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The Product Backlog

Module 1: User

- Register (with Email Address): Registration with Username, First Name, Last Name, Email Address, Password and Confirm Password, which will allow the system send a confirmation link to validate the authenticity of the email address.
- Login: User will be able to login using the email address and password he/she signed up with.
- Edit Profile: User will be able to modify Username, First Name, Last Name, upload profile image and add personal introduction.
- Profile page: This page will show each user's own schedule and partial profile information.

Module 2: Travel Plan

- Create New Travel Plan: For each travel plan, users can choose multiple time & place pairs he/she plans and then add this new plan to the schedule.
- Delete A Travel Plan: Users can delete an already existing plan and this plan will be deleted from the schedule.
- Add Expense to A Travel Plan: Users can add the travel expense to a travel plan.
- Change the Status of A Travel Plan: Users can change the status of travel plan to "Finished".
- Evaluate A Travel Plan: Other users can evaluate the "Finished" travel plan by choosing "Good" or "Bad".

Module 3: Travel Notes

- Add Notes to A Travel Plan: User who creates the travel plan can choose a travel plan and add notes to the plan to share his/her feeling about the travel. In the note, he/she can upload picture/video/music.

Module 4: Find Companion

- Search for companion: By inputting time and the corresponding place, users can get all "Not Finished" plans including this time and corresponding place and the plan's owner information. Then, he/she can go through the owner's information and contact with the owner.

Module 5: Find Great Travel Plan

- Search for A Travel Plan: By inputting the place, users can get all "Finished" travel plans including this place.

- Order Travel Plans: Users can choose to order all travel plans he/she gets by evaluation or by expense.
- Add A Travel Plan to Schedule: Users can add travel plans they are interested in to their own schedule.

Module 6: API Integration

- Google Map API: Users can choose the location on the map and the corresponding location information (state, city) can be added to the plan automatically. Besides, the travel route and date information will be also shown on the map.
- Yelp API: Users can get hotels and restaurants recommendations by clicking the travel location which shown on the map.

The First Sprint Backlog

- Test how to use Google Map API and Yelp API, get needed data through APIs and display on the webpage.
- Implement login and registration functionalities.
- Implement homepage and relative functionalities.

Product Owner

Name: Yumeng Xie
AndrewId: yumengx

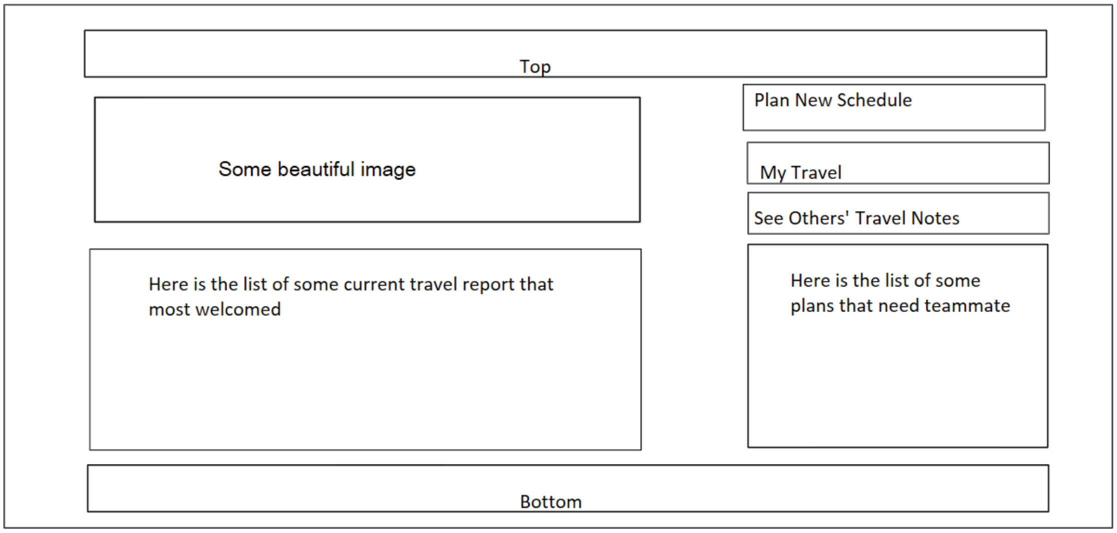
Models Implementation

The following is the code of our project's models:

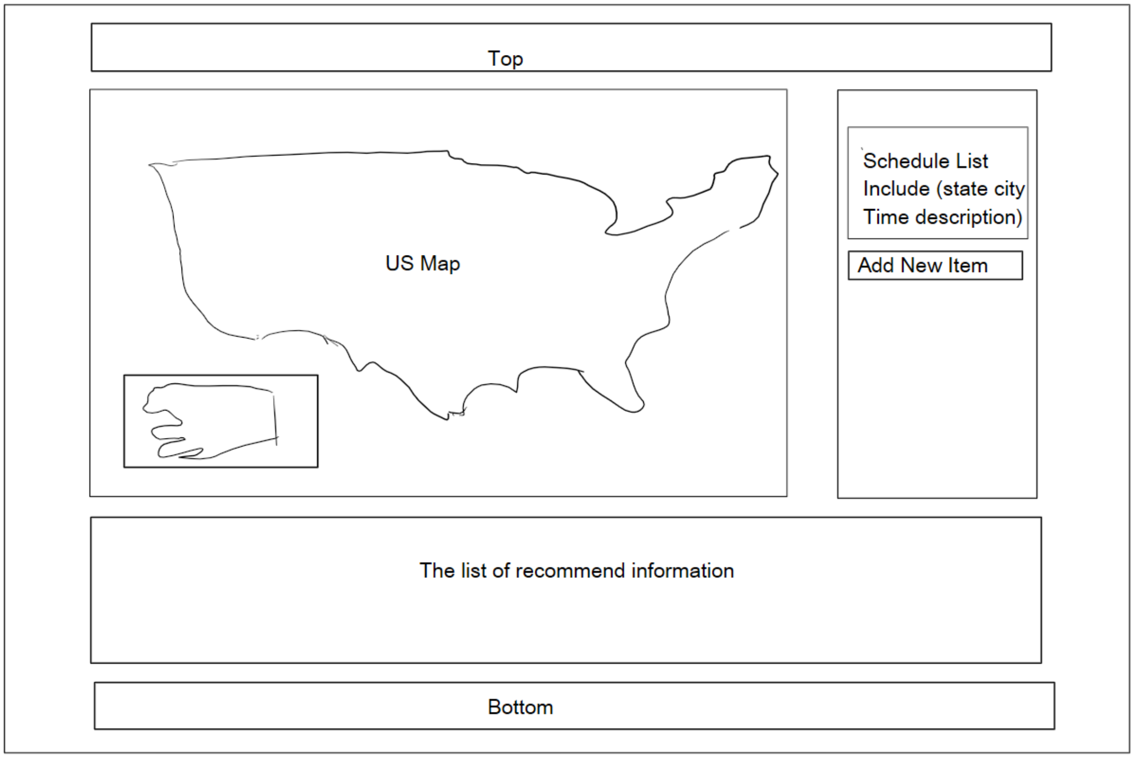
```
from django.db import models
from django.contrib.auth.models import User

class Profile(models.Model):
	owner = models.OneToOneField(User)
	last_name = models.CharField(max_length = 30)
	first_name = models.CharField(max_length = 30)
	age = models.CharField(blank = True, max_length = 20)
	gender = models.CharField(blank = True, max_length = 20)
	bio = models.CharField(blank = True, max_length = 430)
	image = models.CharField(max_length = 256, blank = True,
default='https://yumengxemr.s3.amazonaws.com/id-2')
	followers = models.ManyToManyField("self", blank = True)

	def __unicode__(self):
		return self
	def __str__(self):
        return self.__unicode__()

class Schedule(models.Model):
    owner = models.ForeignKey(User)
    plantitle = models.CharField(max_length = 20)

    def __unicode__(self):
        return self
    def __str__(self):
        return self.__unicode__()

class NewPlan(models.Model):
    owner = models.ForeignKey(User)
    planid = models.CharField(max_length = 256)
    time = models.DateTimeField()
    place = models.CharField(max_length = 256)
    intro = models.CharField(max_length = 256, blank = True)

    def __unicode__(self):
        return self
    def __str__(self):
        return self.__unicode__()

class OldPlan(models.Model):
    owner = models.ForeignKey(User)
    time = models.DateTimeField()
    place = models.CharField(max_length = 256, blank = True)
    note = models.CharField(max_length = 512, blank = True)
    picture = models.CharField(max_length = 256, blank = True)
    video = models.CharField(max_length = 256, blank = True)
    cost = models.CharField(max_length = 20, blank = True)
    time = models.DateTimeField(auto_now = True)

    def __unicode__(self):
        return self
    def __str__(self):
        return self.__unicode__()
```

Drawn Wireframes of Frontend

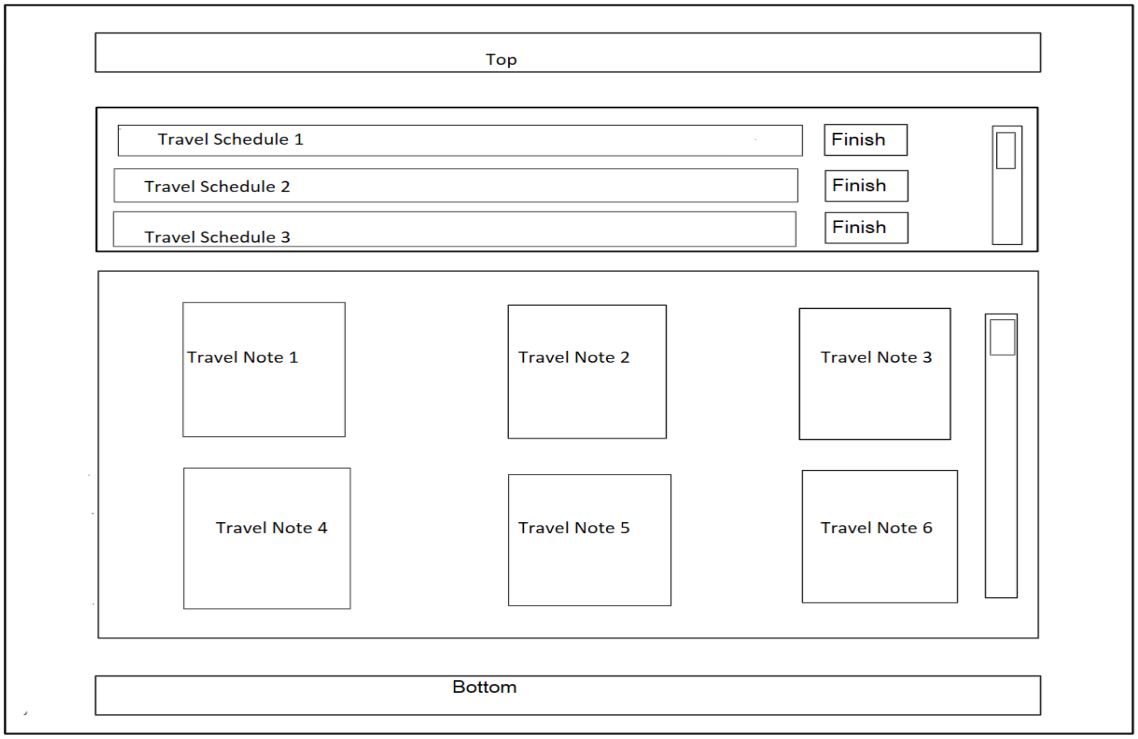
Home Page:


Top
Plan New Schedule
Some beautiful image
My Travel
See Others' Travel Notes
Here is the list of some current travel report that most welcomed
Here is the list of some plans that need teammate
Bottom

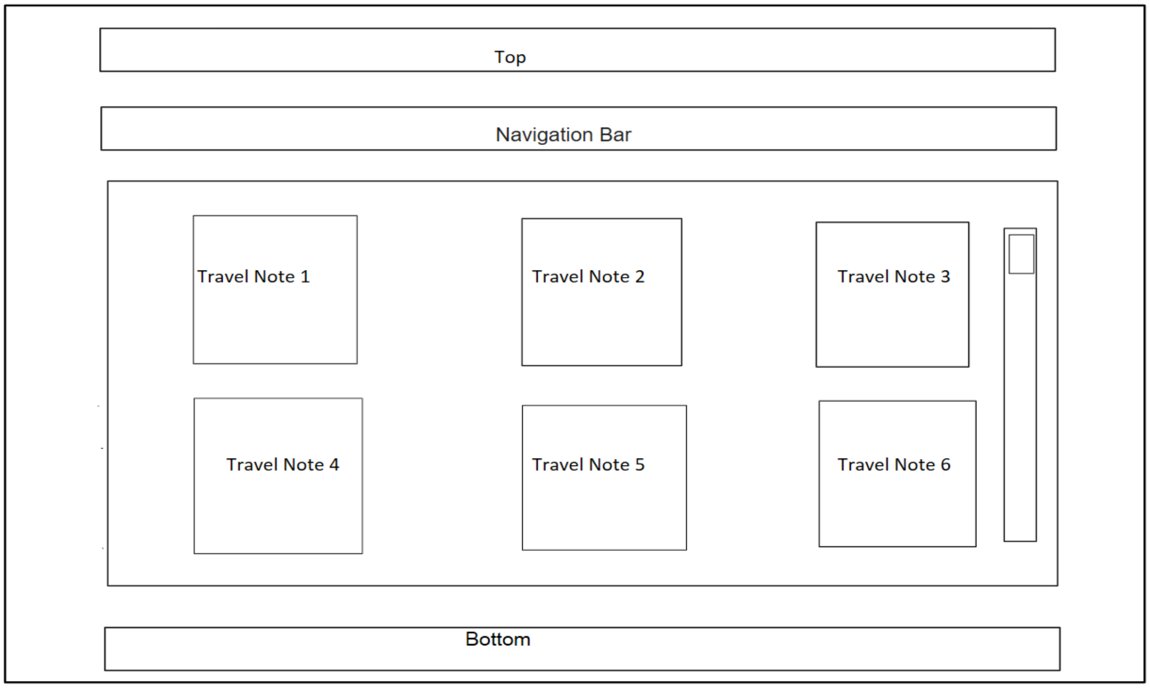
Plan New Schedule Page:


Top
Schedule List Include (state city Time description)
US Map
Add New Item
The list of recommend information
Bottom

My Travel Page



Others’ Travel Notes Page


Top
Navigation Bar
Travel Note 1
Travel Note 2
Travel Note 3
Travel Note 4
Travel Note 5
Travel Note 6
Bottom