# Introduction

## Project Information

* Project name: **Group Travel Assistant**
* Project Code: **EERS**
* Product Type: **Mobile application**
* Start Date: **18 May 2020**
* End Date: **21 August 2020**

## Introduction

Nowadays, Self-planning travel is more and more popular for people, especially for the youth. Planning when traveling in each location is compulsory and important. It is quite difficult for Planning when traveling in each location is compulsory and important. It is quite difficult for people who travel less so our application solves this problem, the system will calculate and suggest day-by-day travel plans, users will rely on the existing day-by-day plans or modify from the suggested for the whole trip, the application will manage your schedule through notifications about flight schedules, hotel check-in, and check-out,... The application will have more management of expenses during the trip such as paying for taxis, eating, shopping, and then knowing who owes who much to pay back the money among the members. This document describes our working process in 4 months including our perspectives on the system, component designs, and detailed core flow.

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## Current Situation

At present, there are some methods for day to day planning:

* The leader of a self-planning trip: From his previous travel experiences, the leader will plan the places he/she has traveled through.
* Group meetings and plan group trips: Everyone in the group can choose the places they want to go to and visit.
* Tự lên lịch:
* Đi du lịch theo tour:
* Dùng giấy or tin nhắn để gửi kế hoạch lập ra
* Dùng note để quản lý chi tiêu trong nhóm

## Problem Definition

These current situations have some following advantages and disadvantages:

* The leader of a self-planning trip:
  + Advantages:
    - No need to spend time planning.
  + Disadvantages:
    - The member can’t choose the location they want to go to.
* Group meetings and plan group trip:
  + Advantages:
    - Member of the trip can choose their favorite destination during the trip
  + Disadvantages:
    - Each person has a different location
    - Spend too much time for a complete plan.

Those methods have a common disadvantage: They all have to plan for the day by day trip.

## Proposed Solution

Our proposed solution is to build applications for group travel. It will calculate and suggest a day-by-day plan, users in a group can create their day-by-day plan or modify from the suggested one, support voting.

### Feature functions

* Create a group and invite other users
* User can suggest a place of interest and activities in each city/place
* Suggest day-by-day plan
* Document/booking tracking
* Remind of upcoming events

### Values and challenges

* + Values:
    - The system suggests day by day plan helps visitors to schedule themselves, save 90% of the time, optimize costs, and enjoy the full trip.
    - The system also has support features such as modify from the suggested, inviting friends to join the group.
    - Quản lý lịch trình và quản lý chi tiêu
  + Challenges:
    - Unable to provide 100% accuracy due to the limitation of suggesting algorithms.
    - This is a support tool, it cannot replace completely the role of the planner.

## Functional Requirements

Functional requirements of the system are listed below:

* System:
* Calculate and suggest a day-by-day plan
* Group admin
* Create a group and invite other users
* User in the group:
* Can review
* modify from the suggested
* Support voting
* Input the expense used for a trip

## Role and Responsibility

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Full Name** | **Position** | **Contact** |
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1. Roles and Responsibilities