

**Travelus
Vision Document**

Version 1.1

Travelus	Version:1.0
Vision document	Date: 24/06/2023

Revision History

Date	Version	Description	Author
10/06/2023	1.0	Initial version	Nguyễn Phúc Thịnh
24/06/2023	1.1	Update non-functional requirement	Nguyễn Phúc Thịnh

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Vision (Small Project)

1. Introduction

The purpose of this Software Development Plan is to define the development activities in terms of the phases and iterations required for implementing a travel booking website namely Travelus.

2. Positioning

2.1 Problem Statement

The problem of	marketing and selling tours problems.
Affects	students and people who are interested in getting a trip.
The impact of which is	people who have low-average salaries and lack of time for planning a travel tour.
A successful solution would be	provide a website that is easy-to-use and convenient for user.s

2.2 Product Position Statement

For	college students, teachers, staff in the University of Science.
Who	are enthusiastic about taking tours to other places and they also need a booking website selling tours that are fast, user-friendly and convenient, especially for those who lack time for planning tours.
Travelus	is a website.
That	providing an user-friendly application and suitable tours for each individual.
Unlike	the existing outdated mainframe registration system.
Our product	connects tour managers and customers and ensures the trust between them by verifying their identities strictly.

3. Stakeholder and User Descriptions

The target stakeholders for this system comprises college students, teachers, and professors at the University of Science that need a friendly, easy-to-use, and informative website for saving their time and efforts. The easy-to-use characteristic is our major focus.

3.1 Stakeholder Summary

Name	Description	Responsibilities
Developers	Developers build the website.	Researching, designing, implementing and managing software programs.
Teachers	Teachers in course: Introduction to software engineering.	Teachers support students building the website and understand the methodology of Software Engineering.
Students	Students studying in the University of Science.	Giving feedbacks about the architecture and interface of the website.

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3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Client	End consumers of the web, either buy or don't buy the tour.	Create profiles, view pages and tours, subscribe using credit cards and upload feedback about trips. They also search for tours, etc.	Self-represented.
Tour guide	Individual who manages clients and schedules the trip.	Obtains information about the trip to deliver knowledge about the place and ensures the safety and satisfaction of the customers. View clients (Name, Phone number), modified schedules, and see details of the trips and support customers' needs.	Self-represented.
Administrator	Main managers of website	View clients (Name, Phone number), verify schedules, and add a tour to the website. Add a tour to the website. Decide if clients can cancel or change tours if cases exist. Ensure that content on the website is up-to-date. Places trips onto the website and identifies categories in which the trip belongs. Also, choose which tour guide for that trip and verify the schedule	Self-represented.

3.3 User Environment

Travelus aims for the community that has a demand for traveling but doesn't have time to plan a trip.

The users are educated, computer literate and in most cases own personal computers. Individuals enthusiastic about travel will come to the website and take a look at all tours available. Usage patterns are not predictable at this point, though higher volumes are anticipated during holidays and summer vacations. Besides, the people who are tour guides will have a chance to find new jobs thanks to our website.

The initial release of the website will be limited to students at the University of Science. Marketing subsequent releases to schools, colleges and universities is the consideration of IT Development. As a result, Travelus will be designed to be expandable and all user community data (areas where the students experience) will be table driven and easily accessible upon system installation.

The initial users of Travelus will be students (maybe teachers and staff in the University of Science). In the near future, we expect our website Travelus will be designed to be expandable to all users in the community.

Tour guides will be expected to have a browser-enabled device for checking the tour scheduler and number of clients.

The administrator will require a browser-enabled device for categorizing tours and/or viewing system status, managing the tour guides, and writing reports.

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3.4 Alternatives and Competition

At this time, there are countless direct competitors for this service, namely: Saigontourist, BenThanh Tourist, etc.

Saigontourist has articles, and vlogs about notable places and figures in the tours in order to provide insights of that location and help customers choose the right choice.

When you visit a particular location, BenThanh Tourist gives travel advice on stunning locations and local cuisine.

4. Product Features

No.	Feature	Description	Priority
1	View, add, delete, update search, reports	The basic features that help manage trips effectively include viewing, adding, deleting, editing, searching, and reporting for trips	High
2	Suggest a tour suitable in the given timeframe, budget and location.	Support users to effortlessly find and sort tours to suit their needs and improve selling capability by narrowing their choices.	High
3	Upload feedback about the tours (comments, pictures, ratings).	Uploading feedback about the trips helps define the quality of the tours. Also, this helps increase (or decrease) the reliability of the tours.	Medium
4	Compare between 2 tours when giving the same destination.	Compare the costs, a number of days, transportation, food, etc... between 2 trips going to the same destination	Medium
5	Weather forecast for each tour	Give an overall prediction about the weather on tour days	Low

5. Non-Functional Requirements

Usability requirements:

- It takes less than 10 minutes for users to complete the main actions once they see the interface.
- The design is simple, easy to use. Users can easily book a tour after viewing it.
- The error rate of users submitting their booking details at the tour page mustn't exceed 10 percent.

Safety requirements:

- Each user will have an account to log in. Users can choose to log in by using the account created or via Google mail.
- Payment can be done using card payment or cash.
- Validate user input to avoid injection attack.

Reliability requirements:

- The system must perform without failure in 90 percent of use cases during a month.
- The rate of failure occurrence must be less than 1/400.

Portability requirements:

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- A program running on the old version of operating systems (Windows 10, MacOS 10,...) must be able to run on their latest version (Windows 11, MacOS 11,...) without any change in its behavior and performance.

Implementation Requirements:

- Website uses Django framework combined with MySQL to manage databases like tours or accounts.
- UX/UI of Travelus is designed by library to more user-friendly and attractive

Privacy Requirements:

- Each username only is used once.
- Each username has a corresponding password.
- Every account cannot view other account when participating in tour

Performance requirements:

- The Travelus website supporting 100 users must provide 10 second or less response time in desktop browser

Space requirements:

- The Travelus website much have enough memory space to store the data of 5000 users and 50 tours

Delivery requirements:

- For every 2 weeks commencing from PA3, we have to release the product and corresponding documentation for that PA.
- If there are critical errors in the system after release, we can patch it with a hot fix any time.

Ethical requirements:

- The website must not contain any kind of illegal or inappropriate product: beer, cocaine, porno, ...
- Our website also must not use user information for any other purpose other than booking a tour.