



EEC 521 / CIS 634 – Software Engineering
Course Project

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SOFTWARE PROJECT PLAN

Introduction

The purpose of this project is to outline the development and implementation of a revolutionary software solution called "Unitravells". This software is ready to give tourism and destination wedding enquiry and booking businesses (hotels, rooms, cabs) a level of efficacy never before seen. In this section, we will provide an overview of the project, including its scope, major software functions, performance/behaviour issues, and management and technical constraints.

1.1 Project Scope

The project's scope encompasses the development of the Unitravells software, which will serve as a comprehensive solution for tourism and destination wedding businesses. It will streamline and enhance the process of handling enquiries and bookings for these businesses. The software's primary goal is to offer an efficient, user-friendly platform for customers to inquire about travel and wedding services, browse destinations, and make bookings seamlessly along with that we provide multi language support for users of various regions, emergency assistance and support

1.2 Major Software Functions

Unitravells will offer a wide range of features and functionalities to meet the needs of tourism and destination wedding businesses. Some of the major software functions include:

- **Inquiry Management:** The software will allow businesses to efficiently manage and respond to customer inquiries, ensuring timely and personalized responses.
- **Booking Management:** Unitravells will facilitate the entire booking process, from initial reservations to payment processing and confirmation.
- **Destination Information:** Users can access detailed information about various destinations, including travel guides, accommodation options, and local attractions.
- **User Accounts:** Customers can create accounts to track their bookings, preferences.
- **Integration:** The software will integrate with external systems, such as payment gateways and third-party booking platforms.
- **Multi language support:** Enhance accessibility by offering support for multiple languages, making it easier for international travelers to use the app.

- Emergency assistance support: Offer 24/7 customer support and emergency assistance services for travelers facing unexpected situations during their trips.

1.3 Performance/Behaviour Issues

To ensure the success of the Unitravells project, specific performance and behaviour issues need to be addressed:

- Scalability: The software must be designed to handle a growing number of users and transactions as the business expands.
- Security: Data security and privacy are paramount, as the software will handle sensitive customer information.
- Responsiveness: Unitravells must deliver a responsive user experience, with fast loading times and minimal downtime.

1.4 Management and Technical Constraints

Several constraints may impact the project's management and technical approach:

- Limited Resources: The project has a defined budget and timeline, necessitating efficient resource allocation.
- Regulatory Compliance: The software must adhere to industry-specific regulations and standards, such as data protection laws.
- Delivery Date: A strict delivery date is in place to ensure the software is ready for the upcoming peak tourism season.

Risk Management

In this section, we will discuss the risks associated with the Unitravells project and the approach to managing them.

2.1 Project Risks

- Technical Complexity: The software's complexity may lead to development challenges.
- Market Competition: Competition in the tourism and wedding industry may affect the software's adoption.

- Data Security Breaches: Unauthorized access to customer data is a significant risk.
- Scope Creep: Expanding project opportunity beyond the initial necessities may lead to delays and budget overruns.

2.2 Risk Table

RISK	PROBABILITY	IMPACT	RM3 POINTER
Technical Complexity	High	High	RM3-001
Market Competition	Medium	Medium	RM3-002
Data Security Breaches	Medium	High	RM3-003
Scope Creep	Medium	Medium	RM3-004

2.3 Overview of Risk Mitigation, Monitoring, Management (RM3)

To address these risks, the Risk Mitigation, Monitoring, and Management (RM3) framework will be implemented. Detailed RM3 plans for each risk are documented separately to ensure proactive risk management.

Project Schedule

This section provides an overview of project tasks and a project scheduling tool's output for the Unitravells project.

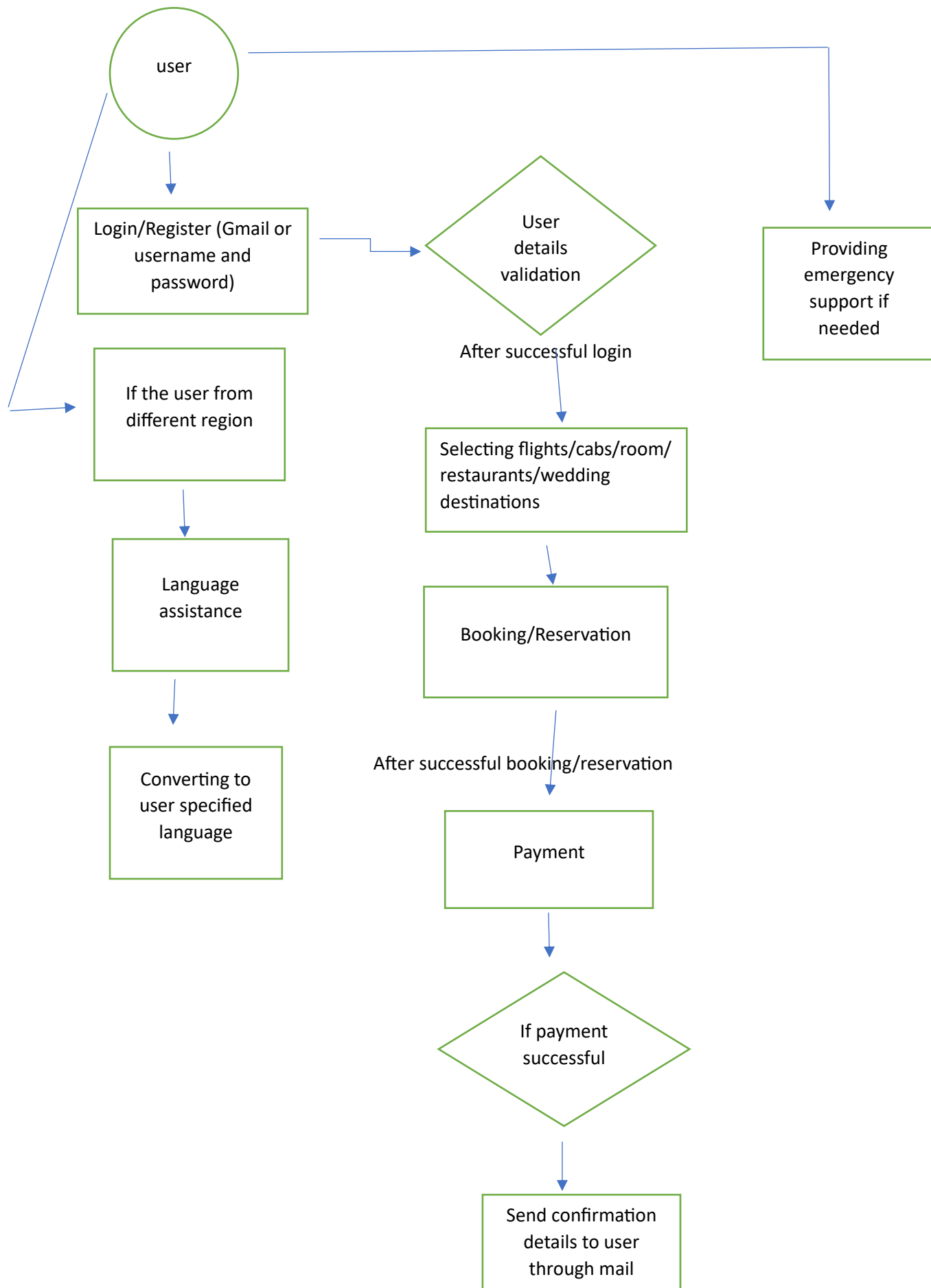
3 Project Task Set

3.1 Functional Decomposition

The functional decomposition of the Unitravells software involves breaking down major features and functionalities into smaller tasks. This breakdown will be crucial for scheduling and resource allocation. It includes tasks such as UI design, database development, and integration with external systems.

3.2 Task Network

The project tasks and their dependencies are visualized in a task network diagram. This diagram will help in understanding the sequence of tasks and critical path analysis.



3.3 Timeline Chart

A project timeline chart will be created to provide a visual representation of the project's schedule. This chart will outline milestones, deadlines, and the allocation of tasks to team members. It will be continuously updated to track progress.

project plan 9/21/2023

Software requirement specification 10/5/2023

Software design specification 10/19/2023

Initial version of software 11/2/2023

Test plan 11/09/2023

project Deliverables 12/07/2023

Project presentation and demonstration 12/05/2023- 12/07/2023

3.4 Schedule Compliance

To ensure adherence to the project schedule, a monitoring, reporting, and controlling mechanism will be established. Regular progress reports will be generated, and deviations from the schedule will be addressed promptly to mitigate any potential delays.

Appendix

The appendix contains supplementary information related to the Unitravells project, including detailed RM3 plans for each identified risk, technical specifications, and any additional documentation relevant to the project's development.

In conclusion, the Unitravells software project aims to revolutionize tourism and destination wedding enquiry and booking businesses by providing a comprehensive and efficient solution. This project plan outlines the scope, major functions, performance considerations, constraints, risk management strategies, project schedule, and supplementary information for the successful development and implementation of Unitravells. Through careful planning and diligent

execution, Unitravells will become a game-changing tool for businesses in the tourism and wedding industry.