Tribhuvan University

Faculty of Humanities and Social Sciences

A project proposal on

"Online Parking Booking System"

(OPBS)

Submitted to
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Saraswati Multiple Campus

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Chapter 1

Introduction

1.1 Introduction of Proposed Project

An online parking booking system is a web-based application that allows users to book parking spaces in advance through the internet or mobile devices. This system aims to make parking easy and convenient for users by enabling them to reserve a parking spot before arriving at their destination, thereby reducing the stress and time involved in searching for available spots upon arrival.

Online parking booking systems typically provide users with a user-friendly interface to select their desired parking location, date, time, and duration of stay. These systems are beneficial for both parking lot operators and users. Operators can streamline their operations by managing parking availability more efficiently, while users can save time and reduce stress by having guaranteed parking spots. Overall, an online parking booking system offers a convenient and efficient solution to a common problem faced by many drivers

1.2 Problem Statement

Nowadays in many public places such as malls, hospitals, offices, market areas there is crucial problem of vehicle parking. In context of Nepal, various parking places had challenges concerning its safety of data in the store since they currently use paper based system, physical struggle for parking by drivers, wastage of time, congestion and collision. There was also a problem of monitoring the profit made for the company where by the company was losing money to its workers who receive the money(fraud). This system majorly solved the congestion, collision and save time during parking activities.

1.3 Objectives

The primary Objectives of this project are as follows:

- To enable drivers to locate and reserve a parking place online through accessing it on web platform.
- User friendly interface: The system will be designed with user friendly interface for customers.

Chapter 2

Methodology

2.1 Methodology

An agile methodology is the combination of both incremental and iterative processes. it can help the development team respond quickly to any issues or changes in requirements that arise during the development process. an online parking booking system involves drivers, parking operators, and system administrators.

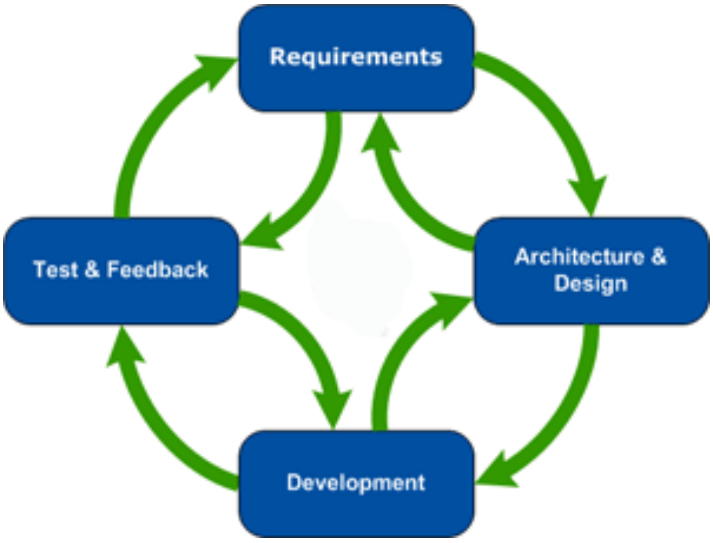


Fig : Agile Model For OPBS

2.2 Requirement Identification

2.2.1 Requirement analysis

I. Functional Requirement

Functional requirements define the capabilities and functions that a system must be able to perform successfully. The functional requirements of this online parking booking system include:

The system shall enable the customer to be able to create an

- Registration.
- Login.
- Connect with the database server.
- Update and delete the data.
- Admin Management.
- Logout.

II. Non-functional Requirement

A non-functional requirement is a requirement that specifies criteria that specifies to judge the operation of the system rather than the specific behavior. Some of the non-functional requirements of the system are as follows: -

- Portability
- Availability
- Security
- Maintainability

2.2.2 Feasibility

A feasibility study is simply an assessment of the practicality of a proposed project plan or method. This is done by analyzing technical, economic and operational feasibility factors.

Following feasibilities were studied before making the project.

I. Technical Feasibility

The technical feasibility in the proposed system deals with the technology used in the system. It deals with the hardware and software used in the system whether they are of latest technology or not. This system will use windows platform, PHP, MYSQL making our project Online parking Booking System Technically (OPBS)feasible.

II. Operational Feasibility

This project will be operationally feasible in a sense that this is done in a computer so, data are more secure than before, reduces risk of loss of data and updates in automated manner reduces the error occurring chances. And this software won't require any other technical person to operate it as a person with very less computer do as fine.

III. Economic Feasibility

This project will be economically feasible in the sense that the money which were invested in purchasing register to keep data during short periods are now to be invested in a computer which do not need to be changed every year. So, a onetime investment in computer reduces expenses of the company

2.2 System Flowchart

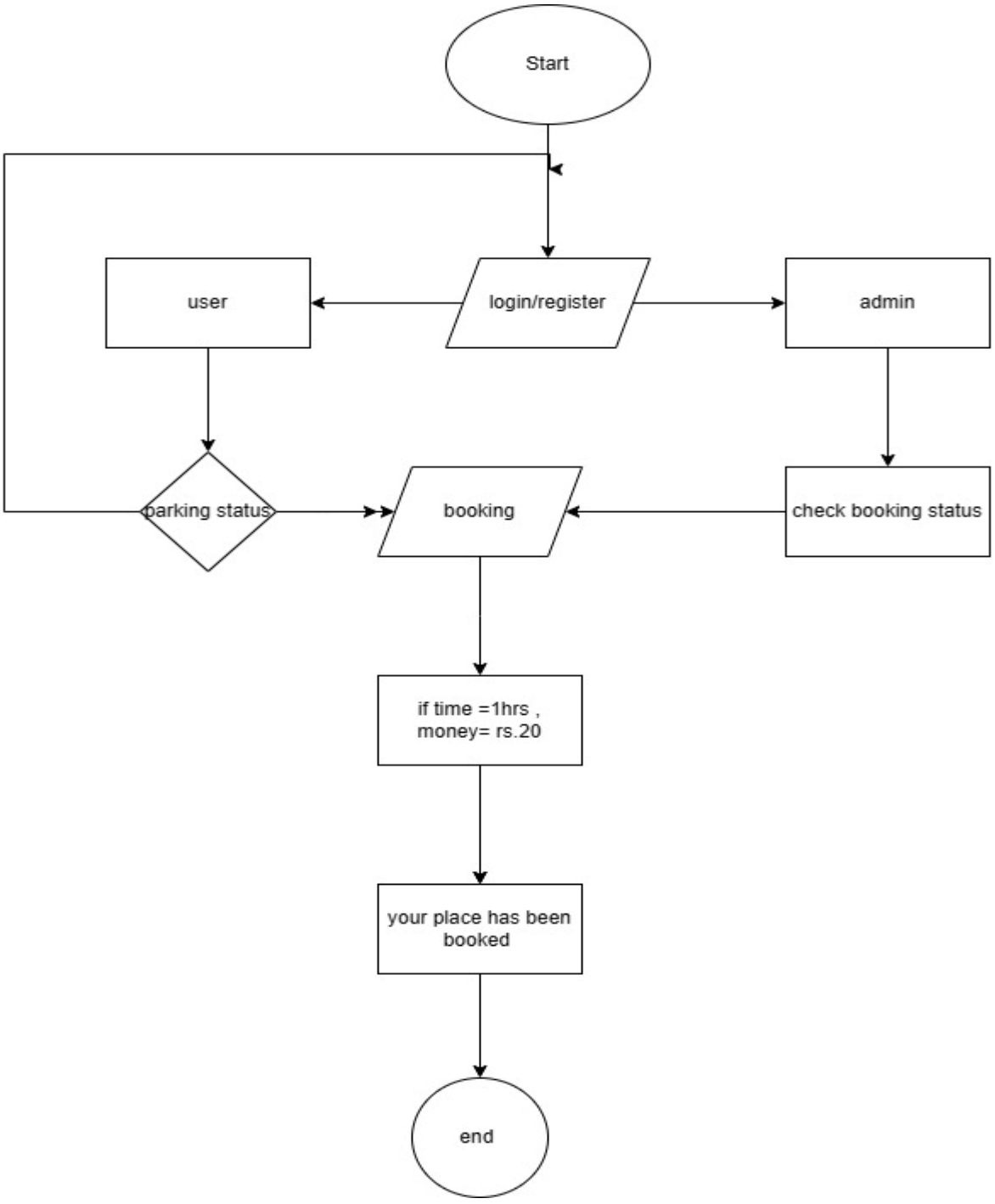
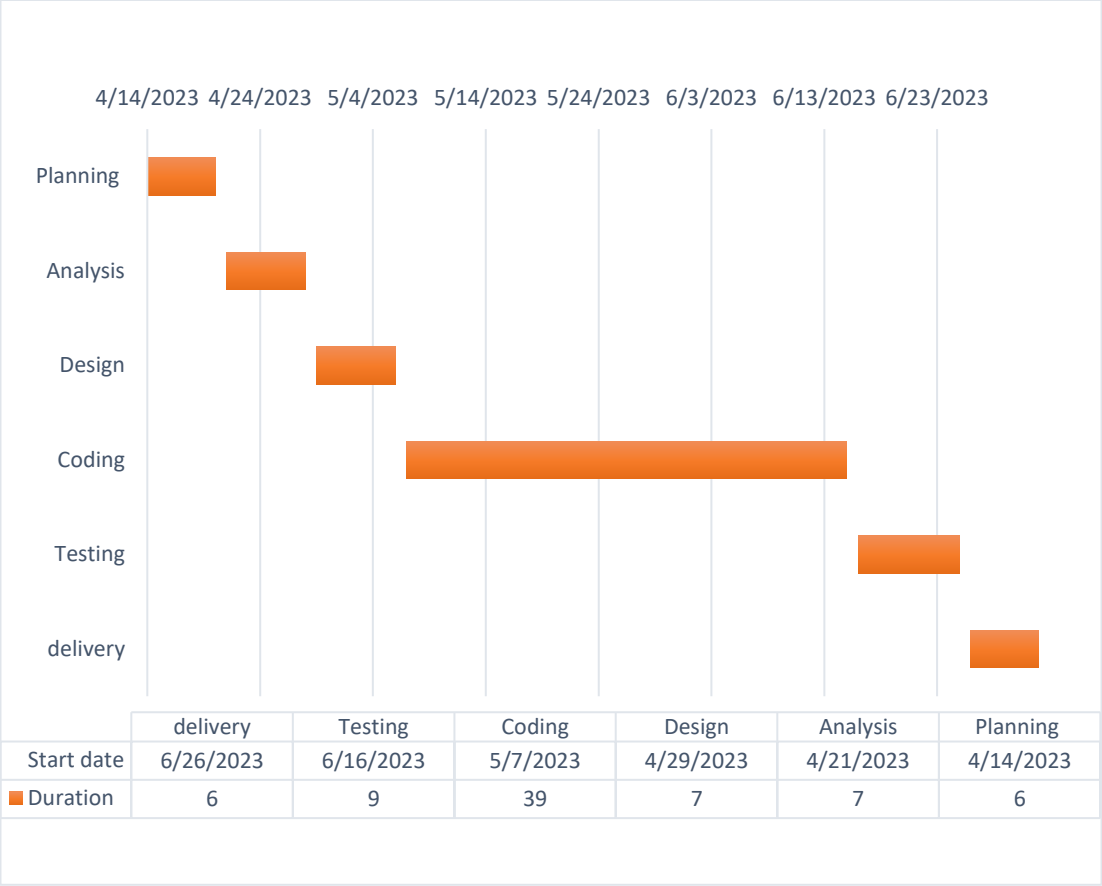


Fig: Flowchart for Online Parking Booking System

Chapter 3

GANTT CHART



	delivery	Testing	Coding	Design	Analysis	Planning
Start date	6/26/2023	6/16/2023	5/7/2023	4/29/2023	4/21/2023	4/14/2023
Duration	6	9	39	7	7	6

Fig.: Gantt Chart

Chapter 4

EXPECTED OUTCOME

This system would be to provide a more efficient and convenient way for park visitors to book and manage their visits. This system could include features such as online booking and real-time availability updates, the ability to reserve specific sites, and the ability to cancel or modify reservations.

REFERENCES

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