



Mid Term Group Project Cover Page

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Helpline Community Service for Bachelors

Adiba Rental Co.

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Date : 15th Nov,2023

Introduction

BrainStation 23 is an IT company which develops Software projects. We have been providing software solutions for the past **10** years to multiple business sectors. Our company is based in Dhaka, but our services are provided worldwide. Our approach is to capture our client's business requirements and develop various customized software to meet their business needs.

Proposal for Adiba Rental Co.

Overview of the proposed system

The **Helpline Community Service** is an internet-based resource that helps single people find and lease apartments that fit within their budgetary constraints. Simultaneously, landlords have the ability to advertise their apartments within certain price ranges, according to the rental needs of bachelor renters. The primary aim of this project is to provide an online platform that facilitates the convenient rental of residential properties, as traditional methods of house renting are very burdensome and time-intensive. The purpose of this document is to provide a comprehensive description of the project's requirements, objectives, stakeholder analysis, and associated components. This paper is designed for those fulfilling the role of Project Manager, paper writer, or possessing a foundational understanding of UML diagrams. Sections 3 and 4 are specifically designated for the stakeholders, whilst the remaining sections are meant for the Project Manager.

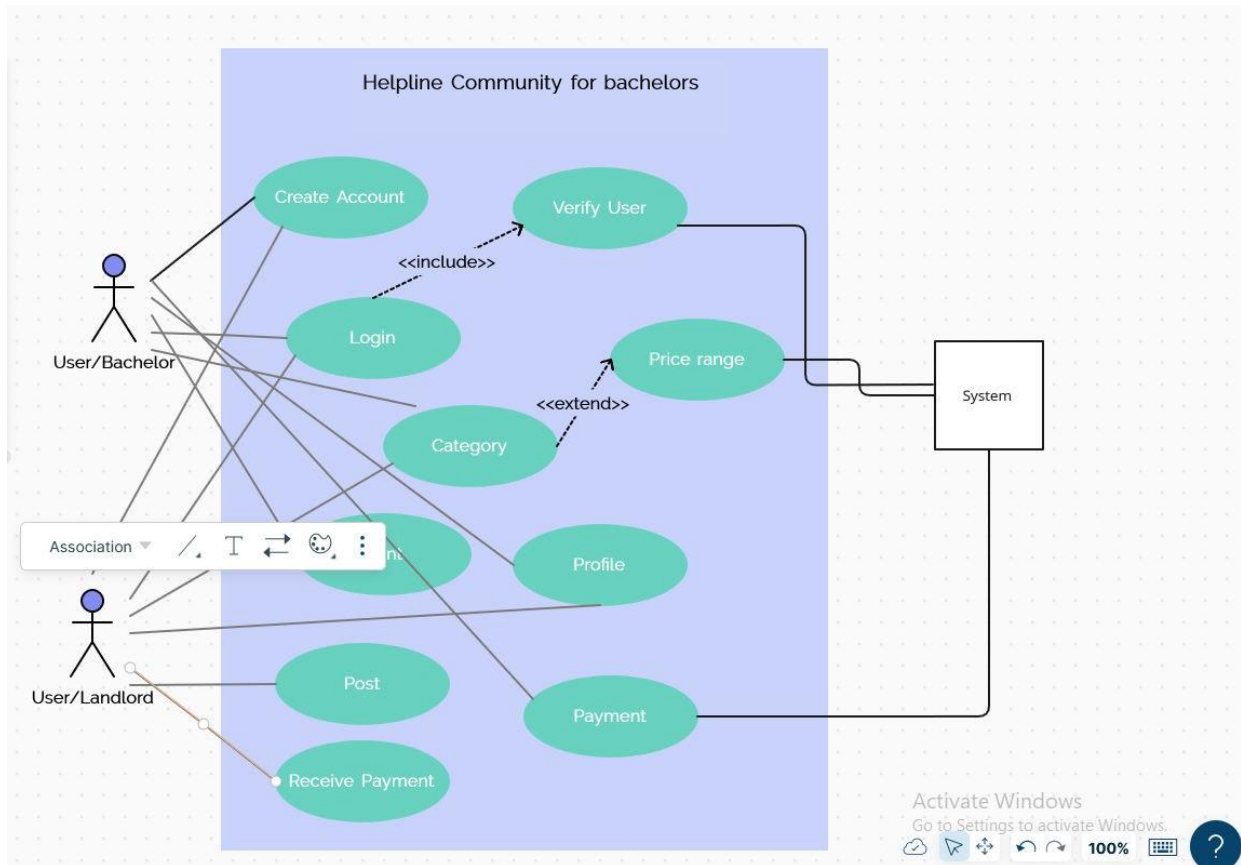
Justifications

The main goal of this project is to provide online service to the bachelors and the landlords to deal renting online.

This project provide a compelling online platform for bachelors seeking rental accommodations and landlords looking to manage their properties efficiently. The justification for this project is driven by the increasing demand for convenient and transparent online solutions in the real estate market. It addresses the specific needs of bachelors, simplifies the rental process, enhances transparency, and offers property management tools for landlords .

Online rental services have become more efficient and time-saving for bachelors and landlords. They allow users to easily find and rent flats, post their preferences, and view their properties. This eliminates the need for physical visits and saves money by reducing the distance between the customer and the landlord. This new approach streamlines the rental process and saves time and money. By doing so, it not only meets a growing market need but also creates a platform for profitable growth and sustainability in the digital rental industry.

Use case Diagram of the proposed systems



Scopes and feature

Scope

- User Management:
 - Registration and login system for users.
 - Profile creation and management for both bachelors and landlords.
- Property Listing:
 - Landlords can post details about their flats, including images, pricing, and descriptions.
 - Bachelors can browse through the listed flats based on their preferences.
- Search and Filter:

Advanced search and filtering options for bachelor's to find flats based on location, price range, and amenities.

- Payment Integration:

- Secure payment options, such as mobile banking and credit/debit card payments.
- Integration with payment gateways to facilitate transactions.

- Balance Checking:

Facility for users to check their account balance within the platform.

- System Maintenance and Repair:

A system for reporting and addressing maintenance or repair issues in rented flats.

Feature

- User Authentication:

Secure login mechanisms, password recovery, and account verification.

- Profile Management:

Users can edit and update their profiles with personal information and preferences.

- Property Details:

Detailed property listings with information on location, amenities, and contact details.

- Communication:

In-platform messaging system for communication between bachelors and landlords.

- Notification System:

Real-time notifications for new property listings, messages, and important updates.

- Review and Rating:

Bachelors can leave reviews and ratings for the properties and landlords.

- Responsive Design:

Ensure the platform is accessible and user-friendly across various devices and screen sizes

- Security Measures:

Implement security measures to protect user data and transactions.

- Feedback Mechanism:

Collect feedback from users to continuously improve the platform.

- Agile Development:

Follow an Agile development model with iterative cycles for continuous improvement and adaptation.

Objectives and subobjectives

- A login system for users
- Facilities for creating profiles.
- Facilities for checking balance.
- Payment Option (mobile banking or visa card).
- Bachelors rent from the category
- Landlord can post their flats and add prices.
- System maintenance and repair

Primary and Secondary Stakeholders

A project is deemed successful when it achieves its objectives and meets or beyond the expectations of **the stakeholders**. These parties could be private citizens, companies that provide support to nonprofits, foundations, or state or federal financing bodies. A person, organization, or business that is directly involved in the project is considered an **internal stakeholder**. An **external stakeholder** is someone who is not directly involved in the project but who still has a big contribution to the project's successful conclusion.

Primary Stakeholders : Project managers, technicians, and employees are examples of primary(internal) stakeholders in our project.

Secondary Stakeholders: Investors, the CEO of the company, and clients are secondary(external)stakeholders in our project.

Technical Requirements

Technical feasibility is a standard practice for companies to conduct feasibility studies before commencing work on a project. It is the formal process of assessing whether it is technically possible to manufacture a product or service.

It touches on things on our project like –

- i) **Operating Systems**
- ii) **Implementing Software Requirements**
- iii) **Hardware Requirements**

Operating Systems: The software is compatible with any device that can run a web browser. The software can be used on Windows, iOS, Linux, and Android devices with any browser including Google Chrome, Internet Explorer, Mozilla Firefox, Brave and others.

Implementing Software Requirements: We require Visual Studio code for software in order to use Bootstraps, HTML, JavaScript, CSS, PHP, and XAMPP for web servers.

Because XAMPP is an open source, cross-platform, and simple-to-use program, it was chosen to build this system. For security reasons, it is therefore not advised for use on production servers. The database administrator password isn't there. As a result, hackers have easy access. Anyone with database access can see and copy private user and business data. One can access MySQL using a network. Additionally, the local mail server lacks security. The password for ProFTDP is well-known. XAMPP uses ProFTDP as its default File Transfer Protocol client. The password by default is "lampp." Users can so visit web pages with ease.

Hardware Requirements: We need both high configured Desktops and Laptops.

Pricing

In this project we've mainly **four people** for this project. The breakdown is provided below:

1. Programmer: 1,00000tk
2. Tester: 50,000tk
3. Designer: 75,000tk
4. Project Manager: 1,50,000tk

For this project to complete we need **3,75,000tk** in total.

Warranty & Limitation of Liability

We provide a **730 days(2 years)** warranty, from the date of acceptance of our software proposal. During this time, if the software malfunctions, or doesn't operate in any way, then we take the necessary steps to fix the issue and ensure that the Software operates according to the specifications. However, our services remain at your disposal for any future assistances.

Contact us:

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We look forward to hearing from you.

Regards,

Brain Station-23