## SYNOPSIS

## Title of the project:

## Asset Life

## Introduction of the project

An “Asset Life” is a web application designed to manage the operations of a flats or apartment associations. This web application is related to many tasks, such as tracking maintenance requests, managing resident complaints, collecting monthly dues, and more. This application is typically accessible to residents, association managers and can improve communication and transparency within the community.Collecting outside visitors information for residents security through this web application.

## Objectives of the project:

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* The main objectives of “Asset Life“ association to implement a system to manage user accounts, registration, login, and password reset.
* Flat owners can register,login and update their information.
* Providing automated routine tasks such as payment processing, maintenance requests, and resident communication, to save time and reduce administrative overhead.
* Provide residents with easy access to information and services, and increase their engagement with the community through features like online voting and discussion forums.
* Providing notifications for events,maintenance,social activities (blood donation),club membership.
* Here collecting information of outside visitors and mentioning the checkin and checkout.
* Providing club membership package such as gym,swimming pool and badminton for certain period and member can register and renew the club membership through this application.
* Members can issue complaints related to other flat members, maintenance and association members.

## Stake Holders

## Admin

## Association

## Residents

## Security

## Project Category:

Web-Based Application

* 1. **Language Tool**

#### 1.6.1. HTML

HTML is a mark-up language that are used to create electronic documents, especially pages on the World Wide Web that contain connections called hyperlinks to other pages. Every web page you see on the Internet, including this one contains HTML code that helps format and show text and images in an easy-to- read format. Without HTML a browser would not know how to format a page and would only display.

#### CSS

CSS is a style sheet language used for describing the presentation of a document written in a mark-up language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG and XUL, and is applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications.

#### 1.6.3 JavaScript

JavaScript HTML and CSS, JavaScript is one of the three core technologies of World Wide Web content production. It is used to make webpages interactive and provide online programs, including video games. The majority of websites employ it, and all modern web browsers support it without the need for plug- ins by means of a built-in JavaScript engine. Each of the many JavaScript engines represent a different implementation of JavaScript, all based on the ECMA Script specification, with some engines not supporting the spec fully, and with many engines supporting additional features beyond ECMA. It has an API for working with text, arrays, dates, regular expressions, and basic manipulation of the DOM, but does not include any I/O, such as networking, storage, or graphics facilities, relying for these upon the host environment in which it is embedded.

#### 1.6.4 PHP

PHP is probably the most popular scripting language on the web. It is used to enhance web pages. With PHP, you can do things like create username and password login pages, check details from a form, create forums, picture galleries, surveys, checkout, cart product and a whole lot more. If you've come across a web page that ends in PHP, then the author has written some programming code to liven up the plain, old HTML. PHP is known as a server-sided language. That's because the PHP doesn't get executed on your computer. But on the computer, you requested the page from. The results are then handed over to you, and displayed in your browser.

#### 1.6.5 MySQL

Server MySQL is the most popular Open-Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. This tutorial will give you a quick start to MySQL and make you comfortable with MySQL programming.

## Hardware Interface:

* Processors: IntelPentiumdual-coreorabove
* RAM:2GBandabove
* Hard disk Utilization:40GB andabove
* Input Devices:Mouse,Keyboard

### Software Interface:

* Web Technology: PHP
* Web Components: HTML5/CSS/JavaScript
* Software’s: XAMPP, VS Code editor
* Database (Backend): MYSQL
* Web Server: Apache

### Assumption

* Reduce paper work
* User friendly
* Human effort is reduced
* Speed of working process
* Highly secured

### 1.10 Modular description

* + 1. **Admin:**
    - Login: Admin can enter the website using username and password.
    - Profile:Admin can view their list of flat and their address.
    - View Association: In this module admin can view the details of association.
    - View Residents: In this module admin can view the details of residents.’
    - View Feedback: In this module admin can view the feedbacks from each flat.

##### **1.10.2 Association:**

* Register: Association can register to website.
* Login: Association members can enter the website using username and password.
* Manage Residents: In this module, association can manage the residents and their flat.
* Committee Profile: In this module, committee can update the association profile.
* Online Voting: In this module, flat owners can apply for association election.
* Payment: In this module association can give bill to all resident through personal message and collect the payments from residents for maintenance like security charges,water bill & club membership etc.
* Account: In this module, association csan keep track on the housewise account details,monthly statement details.
* Notification: Here association can send notifications to residents regarding about any flat related information.
* Clubs: Here association can create club,update events and manage residents membership.
* Visitor:Getting details of outside visitors from security through phone call and sending photo of visitor.
* Post:Here association can post their advertisments or events and they can view the other residents post also.
* View Complaint: Here association can view the complaints and give feedback.
* Feedback: Here association can send flat related feedback to admin.

**1.10.3 Residents:**

* Register: Residents can register to the website.
* Login: Residents can enter the website using username and password.
* Profile: Here residents can update their information and create new residents profile.
* View Committee: Here residents can view the association members.
* View Resident: Here resident can view other resident details(members name,room no).
* Voting: In this module residents can elect the president and committee members through voting.
* Payments: Here residents get bill from association through personal message and can pay their maintenance fee and club membership fee through this module.
* View Account:Here residents can check their flat account details.
* Notification: Here residents receive notification from association.
* Club: Here residents can register club membership and view club plan.
* Visitor:Getting details of outside visitors from security through phone call and sending photo of visitor.
* Post:Here resident can post their advertisments about their job or about their flat and they can view the other residents post also.
* Complaint Box: Here residents can issue complaints to association.
* Visitor’s Details: Here residents can view the details of outside visitors.

**1.10.4 Security:**

* Visitor’s Details: Here security can give the details of outside visitors to particular resident and association through phone call and sending photo of visitor.

**1.11 User class and characteristics**

**1.11.1 Admin**

Admin are the flat builder one who getting information from associations and residents.

**1.11.2 Association**

Association can manage residents by conducting election.Association can view the complaints from residents.Association can view the payments from residents.Association having duty of collecting information from outside visitors.

**1.11.3 Resident**

Residents can enter the details of their family members.Residents wil get notifications from association.Residents can pay the maintainenace fee and elect their candidate through voting.

**1.11.4 Security**

Security can give the details of outside visitors.Residents will get notifications/call from Security.

**1.12 Limitations**

* People who don’t know how to use application it will be difficult for them.
* One association can’t interact with another association.
* Admin can only view the details.

**1.13 Advantage/Benefit**

* Residents wil get notification from this website don’t need physical communication.
* Residents can check the details of outside visitors.
* Residents can elect their candidate from any place through this website.
  1. **Future Scope**
* More flat association can be added.
* Don’t need physical communication.

* 1. **Team Members**
* Muhammed Muhad
* Ashfaq Ashraf