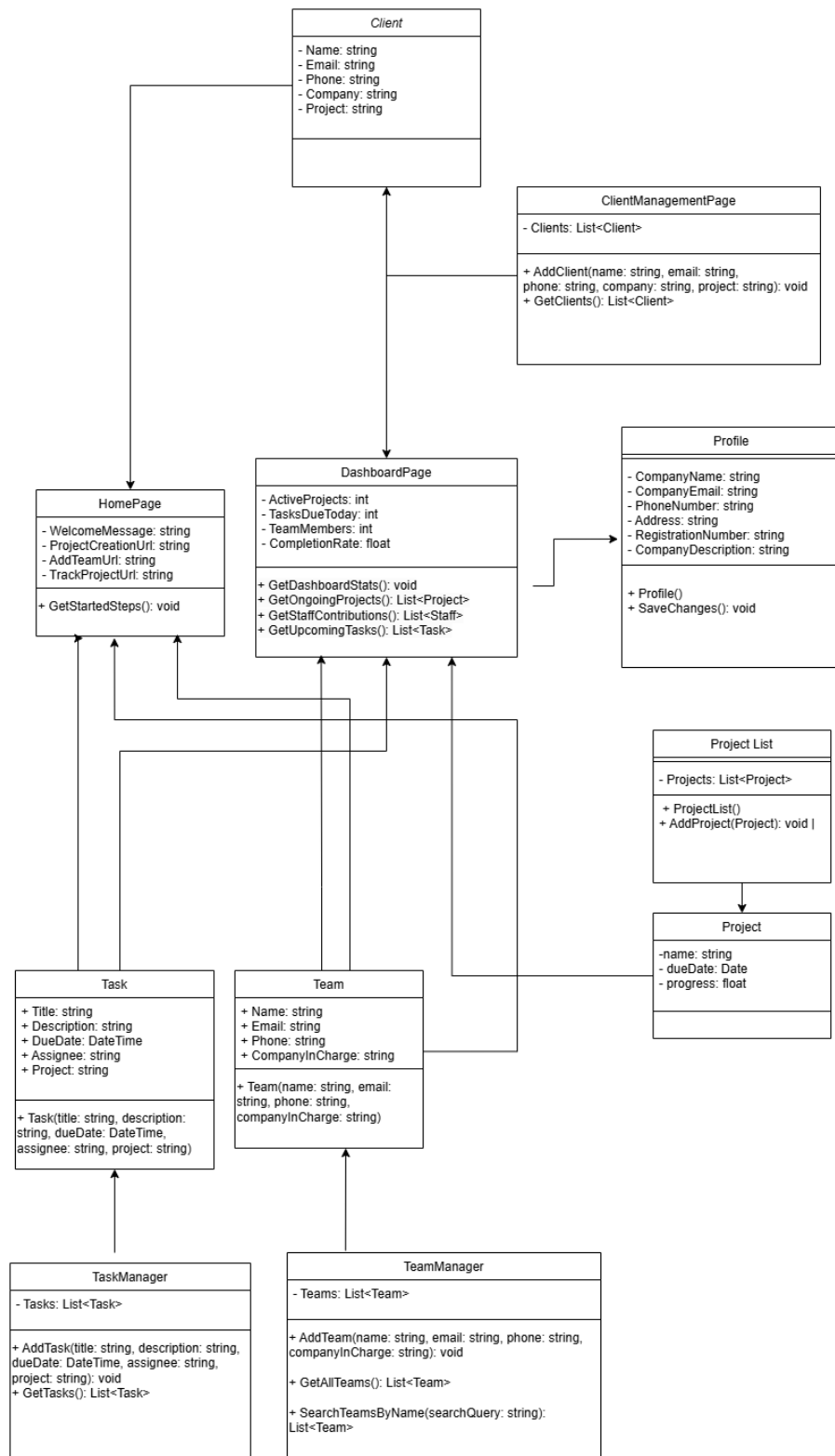**Project Description**

The **Kampung Management Website** is a web-based application designed to address the challenges faced by small businesses and community organizations in rural Malaysian villages (Kampungs). Traditional management practices, such as paper-based record-keeping and manual task coordination, often lead to inefficiencies, errors, and difficulties in tracking operations. This project aims to modernize these processes by providing a centralized digital platform that streamlines operations, enhances productivity, and fosters better resource management.

Built using **Blazor**, the website offers a user-friendly interface and core features such as task management, project tracking, and client data management. Advanced tools like Gantt charts for project timelines and file upload capabilities for document storage ensure comprehensive support for small businesses

Evaluation of Blazor Platform

Blazor offers the advantage of single-language development using C#, a component-based architecture for modularity, and seamless integration with the .NET ecosystem. However, the platform posed significant challenges during our project. Connecting to Firebase often resulted in errors due to configuration and dependency issues, requiring extensive debugging. Additionally, the development process was hindered by recurring logical errors, many of which were complex and time-consuming to resolve, sometimes seeming almost impossible to fix. These challenges, coupled with a steep learning curve and limited debugging tools for intricate component interactions, made development demanding and resource intensive.

UML DIAGRAM

Client

- Name: string
- Email: string
- Phone: string
- Company: string
- Project: string

ClientManagementPage

- Clients: List<Client>

+ AddClient(name: string, email: string,
phone: string, company: string, project: string): void
+ GetClients(): List<Client>

Profile

- CompanyName: string
- CompanyEmail: string
- PhoneNumber: string
- Address: string
- RegistrationNumber: string
- CompanyDescription: string

+ Profile()
+ SaveChanges(): void

DashboardPage

- ActiveProjects: int
- TasksDueToday: int
- TeamMembers: int
- CompletionRate: float

+ GetDashboardStats(): void
+ GetOngoingProjects(): List<Project>
+ GetStaffContributions(): List<Staff>
+ GetUpcomingTasks(): List<Task>

HomePage

- WelcomeMessage: string
- ProjectCreationUrl: string
- AddTeamUrl: string
- TrackProjectUrl: string

+ GetStartedSteps(): void

Project List

- Projects: List<Project>

+ ProjectList()
+ AddProject(Project): void |

Project

-name: string
- dueDate: Date
- progress: float

Task

+ Title: string
+ Description: string
+ DueDate: DateTime
+ Assignee: string
+ Project: string

+ Task(title: string, description:
string, dueDate: DateTime,
assignee: string, project: string)

Team

+ Name: string
+ Email: string
+ Phone: string
+ CompanyInCharge: string

+ Team(name: string, email:
string, phone: string,
companyInCharge: string)

TaskManager

- Tasks: List<Task>

+ AddTask(title: string, description: string,
dueDate: DateTime, assignee: string,
project: string): void
+ GetTasks(): List<Task>

TeamManager

- Teams: List<Team>

+ AddTeam(name: string, email: string, phone: string,
companyInCharge: string): void

+ GetAllTeams(): List<Team>

+ SearchTeamsByName(searchQuery: string):
List<Team>

Team Name: **Kampung Innovators**

GitHub: https://github.com/Sheldon2107/The-Kampung-Manage-Website-.git

Name	ID	Task / Classes / Methods	Signature
Nurul Aishah Elyani Binti Azhar	22010394	Front-End	
Nurul Fatihah Binti Rizwan	22010182	UML	
Nadzira Binti Ramli	22010431	Back-End	
Sheldon Stephen	22008944	Documentation and Testing	
Nur Najla Alisa Binti Mat Suhairi	22010232	Debugging	

I, _____SHELDON STEPHEN_____ (_____*22008944*_____), the leader/rep for _Kampung Innovators hereby declare that the information provided is true and correct. understand that any wilful dishonesty or cover up may render the group submission invalid.

SCREENSHOTS

Blazor1

- Home
- Dashboard
- Project
- Task
- Client
- Team
- Profile

Task
View all of you task information

New Task

Task Title:

task title

Description:

task description

Due Date:

dd/mm/yyyy

Assignee:

Project:

Add Task

Blazor1

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Project Page

Project Creation & Tracking
Keep track of all projects and their status

Create a New Project

Project Name

Due Date

dd/mm/yyyy

Project Status

Not Started

Payment Method

Credit Card

Dashboard

Active Projects	Tasks Due Today	Team Members	Completion Rate
12	8	15	75%

Ongoing Projects

Website Redesign
Due: Dec 31, 2024   65%

Mobile App Development
Due: Nov 30, 2024   40%

Staff Contribution

John Doe
24 Tasks

Jane Smith
18 Tasks

Tasks To Complete

Design Review
Review new homepage designs
Due: Nov 20, 2024   John Doe

Client Meeting
Quarterly progress review
Due: Nov 25, 2024   Jane Smith

Kampung Manage: Project Management Website

Welcome to Kampung Manage, your go-to solution for seamless project management. We're thrilled to have you on board!

Get Started in 3 Simple Steps

1 Create a Project

- Set up your first project in minutes.
- Name it, set deadlines, and start adding tasks!

CREATE PROJECT

2 Add your Team

- Add team members to assign them tasks.

ADD TEAM

Profile Management

Company Profile Management

Change Logo

Company Name	SENI REKA	Edit
Company Email	info@senireka.com	Edit
Company Phone Number	+60 123 456 789	Edit
Company Address	123 Business Park, Kuala Lumpur, Malaysia	Edit
Company Registration Number (SSM)	1234567-A	Edit

About

Blazor1

- Home
- Dashboard
- Project
- Task
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https://localhost:44317/profile