SYMBIOSIS MARTIAL ARTS CLUB

(SMAC)

Information Technology
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INTRODUCTION

Symbiosis Martial Arts Club (SMAC)

The Symbiosis Martial Arts Club (SMAC) was formed with an aim to promote the values of Martial Arts and provide self defense training to the students of SIT. The club intends to build community by empowering students of SIT to THRIVE, GAIN strength to overcome obstacles, and INSPIRE others through the values of Martial Arts.

The Project aims to build a website for the club to increase its digital presence.

This will allow users to:

- Know about the club's objectives, moto and other club activities,
- Sign up/ register for the upcoming events like tournaments, seminars and training sessions.
- Apply for various committees to be part of the SMAC.
- Sign up for the newsletter and club updates.
- View Achievements , Core-Committee members, Yearly Calendar and Gallery.
- Access the fixtures, match reports and statistics of the tournament.

FEASIBILITY STUDY

Economic Feasibility:

The project idea is financially feasible because purchasing a computer that meets the minimum specifications is the only expense. The only cost for the users will be getting access to the internet to access the website. The major expense for the developer will be buying a domain name and web hosting charges.

Technical Feasibility:

To deploy the website, the only aspects needed are:

- Operating Environment: Windows
- IDE: Visual Studio Code
- Database: MongoDB Server

For Users:

- Internet Browser
- Internet Connection

Schedule Feasibility:

The project duration timeline will band all the way till the end of the full stack development course time.

FUNCTIONAL REQUIREMENTS

- The system must provide a login/ logout function.
- The system must provide a function to check details about events.
- The system must provide a function to register new member profiles.
- The system must provide events/workshops information and time schedules.
- The system must provide team information.
- The system must provide functions which allow administrators to manage the confidential information.

SOFTWARE AND HARDWARE REQUIREMENTS

Software Requirements

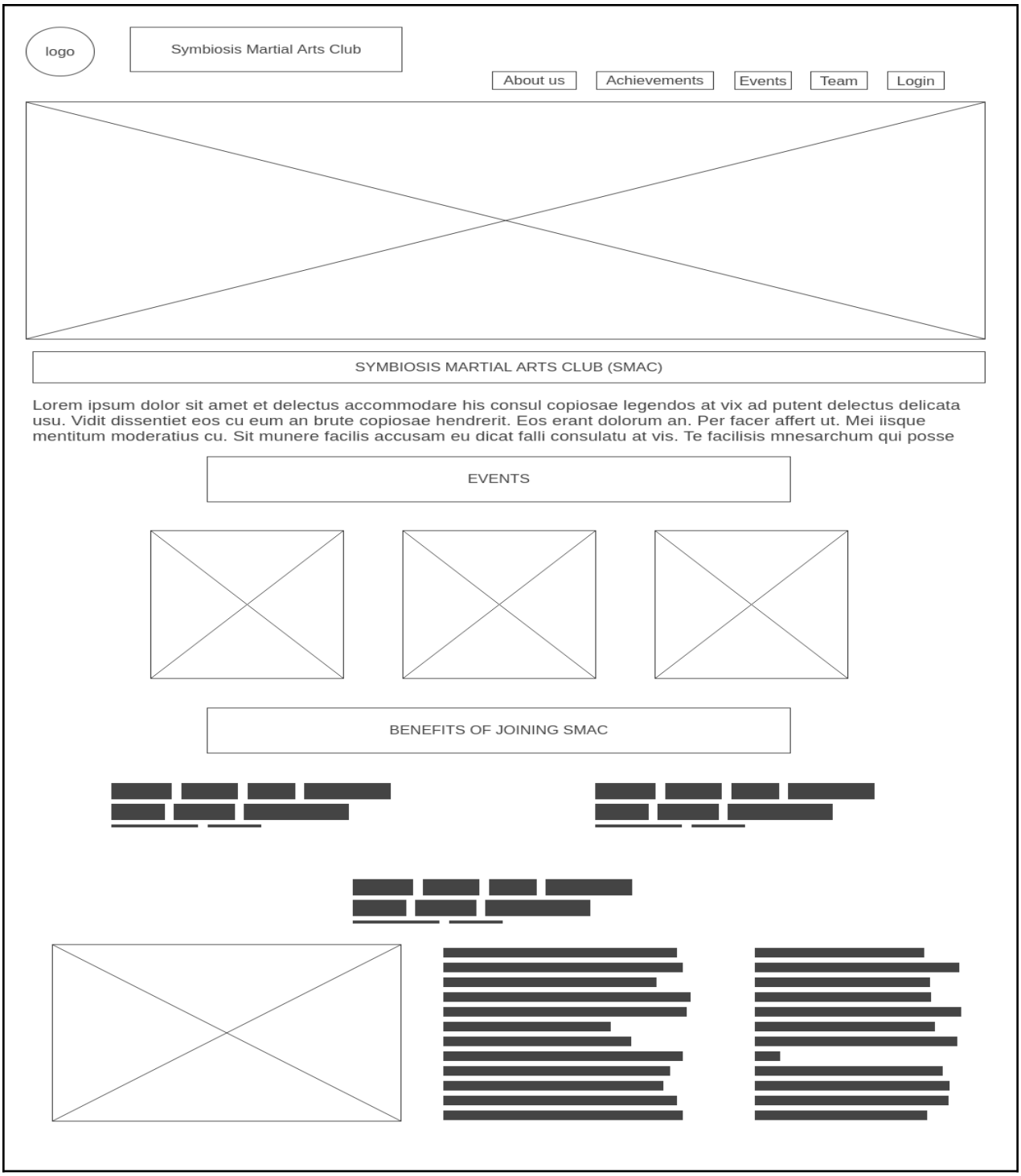
1. Operating system- Windows 10 or above
2. Browser- Google Chrome, Microsoft Edge
3. Editor/Compiler- VS Code
4. Frontend Language- HTML, CSS, Javascript, React
5. Database- MongoDB
6. Server Side technology- Node.js

Hardware Requirements

1. Processor- Intel i5 and above (Recommended)
2. RAM- 4GB and above
3. Hard Disk- 256GB
4. Display Resolution: 1280×1024 is recommended, 1024×768 is minimum.

PROJECT DESIGN AND PROTOTYPE

1. Frontend Wireframe Diagram



2. DataBase Design Diagram