

Project Documentation

Fitflex

1.Introduction

Fitflex is a smart fitness and wellness solution designed to help people stay healthy anytime, anywhere. It provides personalized workout plans, diet suggestions and progress.

Fitflex project:

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2. Project overview

Purpose: Through this project,we aim to promote a healthy life style, encourage regular exercise, and show how technology can make fitness more engaging and accessible.

Features:

- project posting and bidding
- secure chat system
- Feedback and review system
- Personalized Fitness Plans

3. Architecture:

- **Frontend:** React.js with bootstrap and material UI
- **Backend:** Node.js and express.js managing server logic and API endpoints
- **Database:** MongoDB stores user data, project information, applications, and chat messages

4.Setup Instructions

Prerequisites:

- Node.js
- MongoDB
- Git
- React.js
- Express.js-Mongoose-visual studio code

Installation steps:

#clone the repository git clone

#install client dependencies cd client npm install

#install server dependencies cd ../server npm instal

5. folder structure

SB-works/

|--client/ #React frontend

|_components/

|_pages/

|_server/ #Node.js backend

|_routes/

|_models/

|_controllers/

6. Running the application

Fronted:

Cd client

Npm start

Backend:

Cd server npm

Start

Access:visit <http://localhost:3000>

7.API Documentation

User:

- /api/user/register
- /api/user/login

Projects:

- /api/projects/create
- /api/chat/:id Applications:/api/apply

Chats:

- /api/chat/send
- /api/chat/:userID

8.Authentication

JWT-based authentication for secure login

Middleware protects private routes

9.User Interface

Landing page

Freelancer Dashboard

Admin Panel

Projects Details Page

10.Testing:

Functional Testing

User Acceptance Testing(UAT)

Manual testing during milestones

Tools:Postman ,Chrome Dev Tools

11. Screenshots or Demo:

<https://drive.google.com/file/d/10p2PcFPw11F920eZ65MWiGx5893nPg85/view>

12.Known Issues:

1.App Performance

2.User Experience

3.Data & Tracking

13.Future Enhancements:

1.Performance & Stability

2.User Experience

3.Accessibility & Reach