Project Documentation

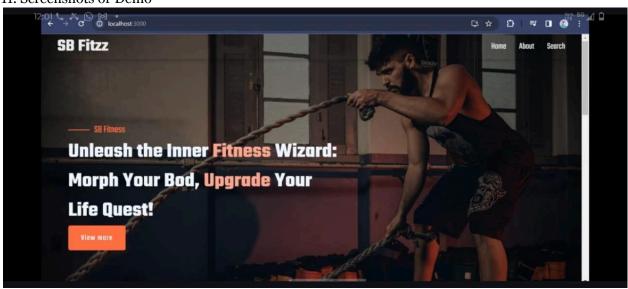
FitFlex is a modern fitness and wellness platform designed to help users track workouts, log nutrition, and monitor their progress toward health goals. Whether you are a beginner or a professional athlete, FitFlex adapts to your needs with personalized plans and insights.

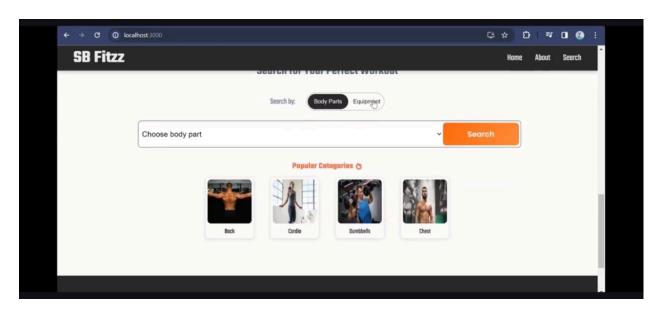
Target Audience: Fitness enthusiasts, trainers, and anyone looking to improve health.

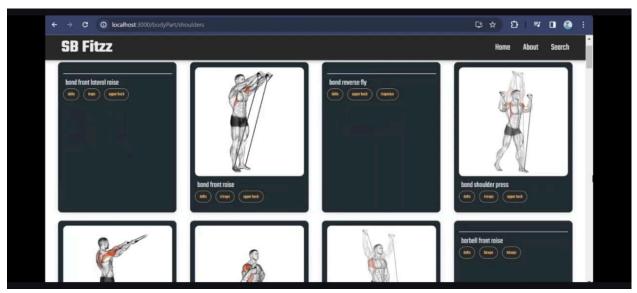
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Admin control panel
3.Architecture
      Frontend: React.js with Bootstrap and Material UI
      Backend: Node.js and Express.js managing server logic and API endpoints
      Database: MongoDB stores user data, project information, applications, and chat messages
4.Setup Instructions
    Prerequisites:
        Node.is
        MongoDB
        Git
        React.is
        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 install
5.
        Folder Structure
        SB-Works/
         |-- client/
                        # React frontend
              | components/
              L__ pages/
                        # Node.js backend
        server/
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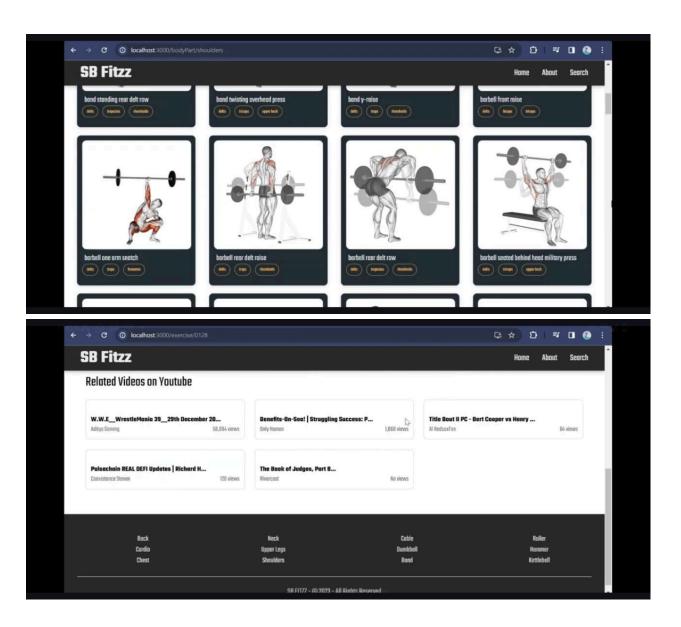
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| routes/
       __models/
         __ controllers/
6.R unning the Application
Frontend:
  cd.\code\
npm start
Backend:
   cd server npm
   start
Access: Visit http://localhost:3000
7. API Documentation
User:
/api/user/register
/api/user/login
Projects:
      /api/projects/create
      /api/projects/:id• Applications: /api/apply
Chats:
       /api/chat/send
       /api/chat/:userld
8. Authentication
       JWT-based authentication for secure login
       Middleware protects private routes
9. User Interface
    Homepage
    Fitflex details page
    Searching Space
    Fitness details
10. Testing
    Manual testing during milestones
    Tools: react.js, visual code studio.
```

11. Screenshots or Demo









12. future Enhancements

We Should Add more Fitness Exercises in our App