Maya Epstein
e.mail – maya.epstein29@gmail.com
phone – 0546611368

Project Documentation

1. Architecture Overview

Client-Side (Frontend) – Moveo/coding-web-app/src/pages:

- **Framework:** React with Monaco Editor.

- **Deployment:** Netlify.

- **Key Components:**

    - **CodeBlockPage:** The main component responsible for rendering code blocks, handling code changes, and displaying user roles and student counts.

    - **Socket.io:** Used for real-time communication between the client and server. Events such as join, code-update, and solved are handled here.

Server-Side (Backend) – Moveo/server:

- **Framework:** Express with Socket.io.

- **Deployment:** Railway.

- **Key Components:**

    - **Socket Management:** Handles real-time events such as joining/leaving rooms, code changes, and resetting code blocks when users leave.

    - **Initial Code Blocks:** The server maintains the initial state of code blocks, which is sent to the client on connection.

2. Deployment Links

- **Frontend (Client) Deployment:** https://master--clinquant-smakager-c176c0.netlify.app/

- **Backend (Server) Deployment:** https://moveo-production-cea5.up.railway.app

- **GitHub Repository:** https://github.com/mayaeps29/Moveo.git

3. Database Connection Details

- **Database Type:** MySQL

- **Deployment:** Railway.

- **If you wish to change the database this is the environment variables:**
- host: 'monorail.proxy.rlwy.net'
- user: 'root'
- password: 'OOCeDAtvRqmkSHTgORaKsfeuNrugfPvy'
- database: 'railway'
- port: 1030