SUBJECT: SOFTWARE ENGINEERING

(GROUP REPORT)

STUDENT NAME: MD ATIKUJJAMAN

STUDENT ID : ATI21508718

GROUP : *WEDNESDAY -5*

GITHUB LINK:
https://github.com/SPRINT-SE/demo-repository

During this project, my main goal was to develop a user-friendly website using Pug, JavaScript, and a Dockerfile. The website aimed to provide comprehensive information about populations, cities, capital cities, countries, and regions. The primary objective was to create a platform where users could easily access information about different nations. Throughout the project, I encountered various challenges, but they provided valuable learning opportunities in terms of development, teamwork, and personal growth.

Error Handling and Bug Fixing: Throughout the development process, I addressed any encountered bugs or errors promptly. By implementing thorough testing and incorporating error handling mechanisms, I ensured a smoother user experience and minimized disruptions.

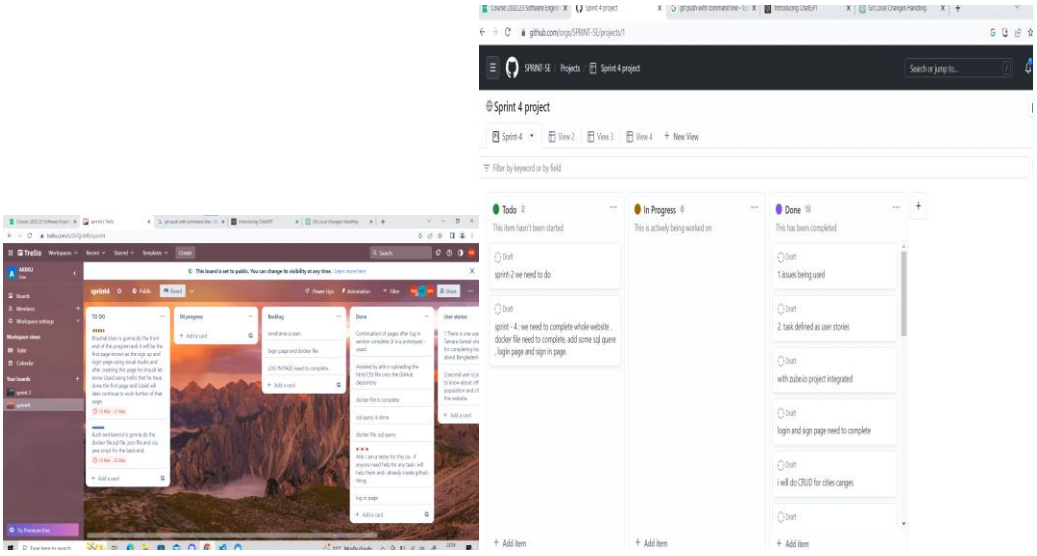
Team Collaboration: Although I worked alone on this project for the most part, my prior teamwork and collaboration experiences from coursework 1 and 2 gave me invaluable insights.

I actively participated in group discussions, contributed ideas, and coordinated efforts with my teammates during those classes. Through teamwork, including brainstorming, planning, and task delegation, we were able to successfully complete a number of project-related tasks. Our organisation and coordination were facilitated by the use of Git for version control and project management tools like Jira or Trello. My understanding of effective teamwork has been influenced by the lessons I've gained from previous collaborations, even though my team members weren't participating in the final project. I used those experiences to independently manage the project, guaranteeing a methodical approach and producing a successful website.

Personal Development: Working on this project allowed me to expand my knowledge and skills in web development, database management, and project organization. I encountered challenges that provided opportunities for problem-solving and critical thinking, ultimately contributing to my personal growth as a developer.

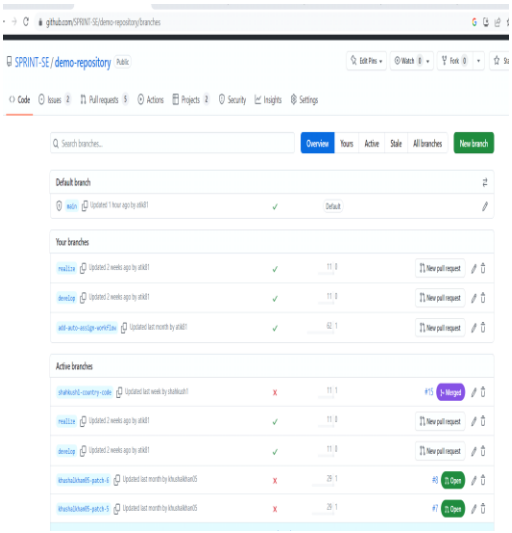
Overall, this project enabled me to develop a user-friendly website offering extensive information about populations, cities, capital cities, countries, and regions. The experience helped me gain valuable insights into development practices, effective teamwork, and personal growth.

Now i will explian my whole project with some screenshot:

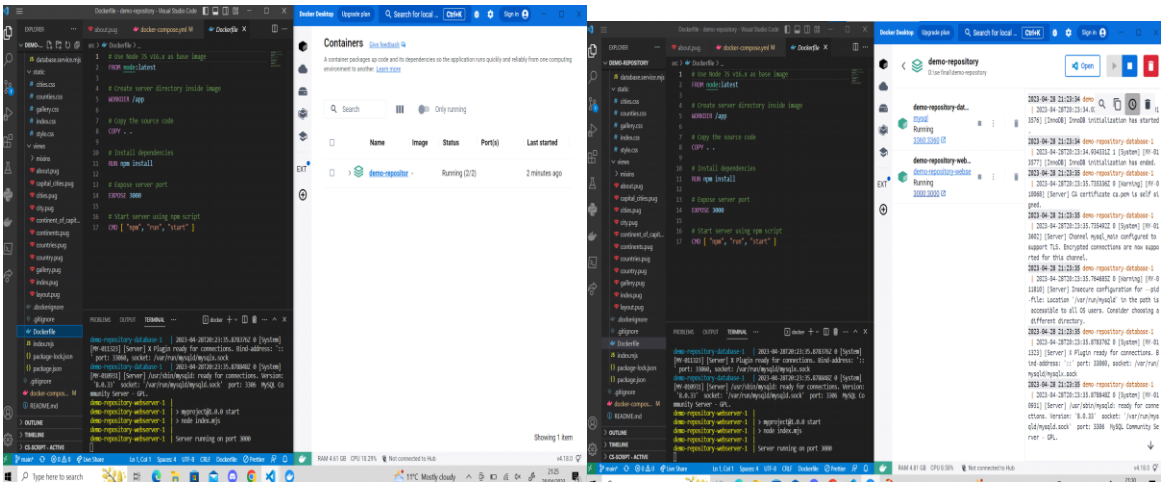


picture 1. we use trello for our project management tools and we use github product

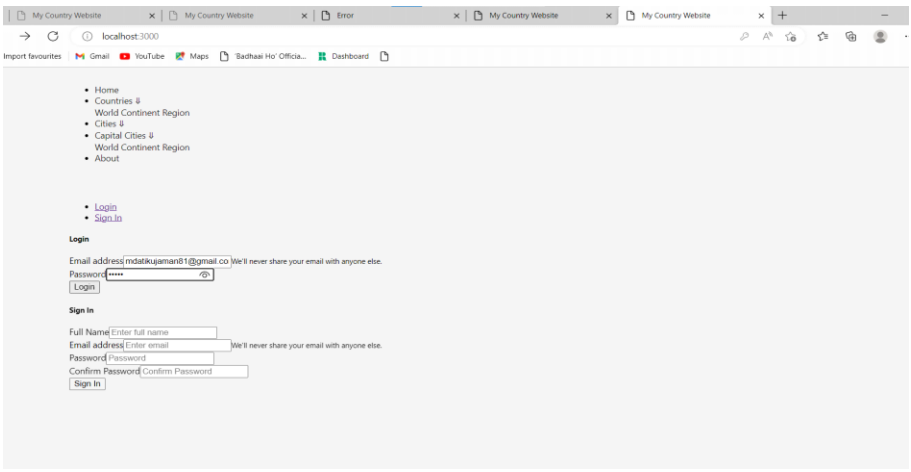
backlog backlog as well.



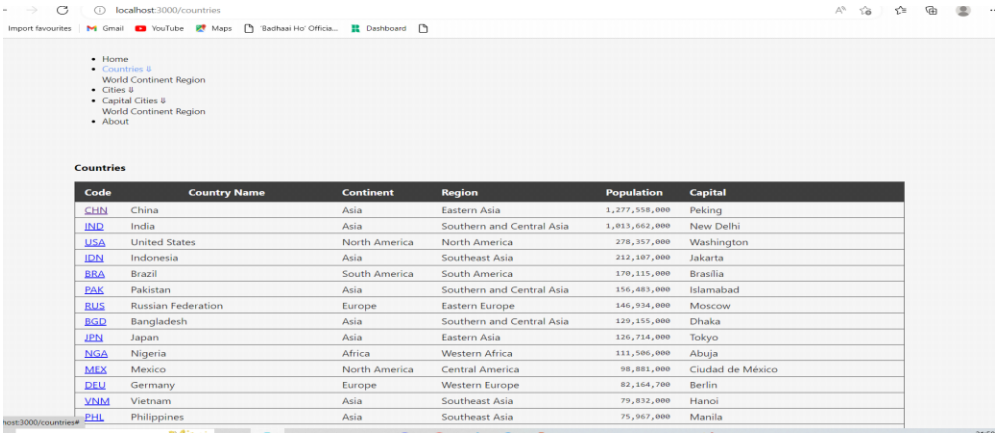
Picture 2: Github brach



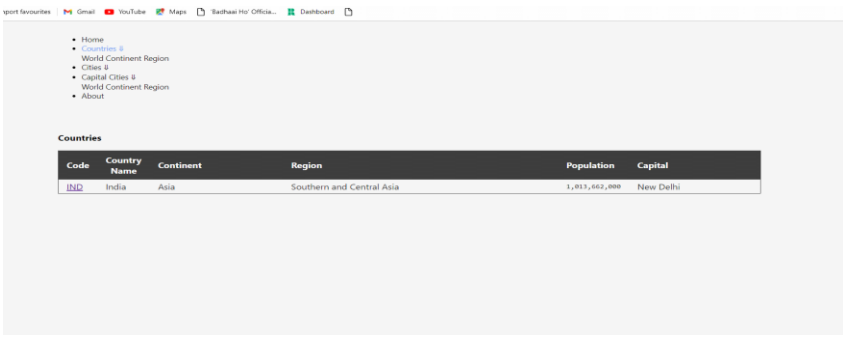
picture 3: docker file create and localport.



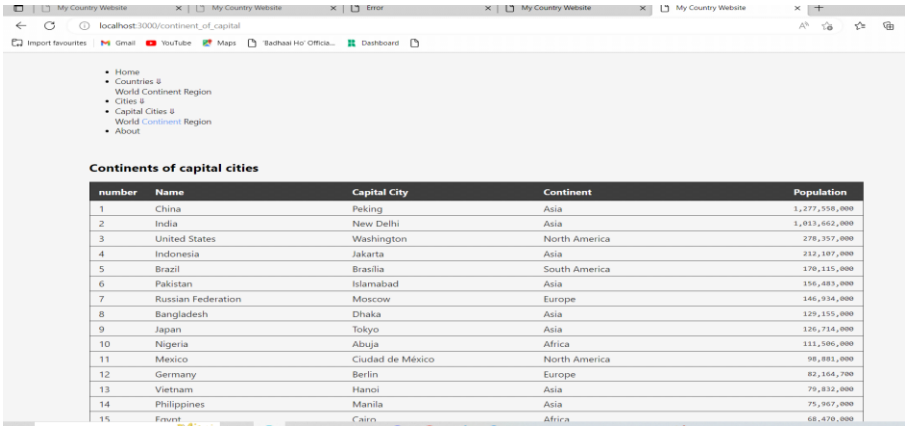
Picture 4: home page and log in page



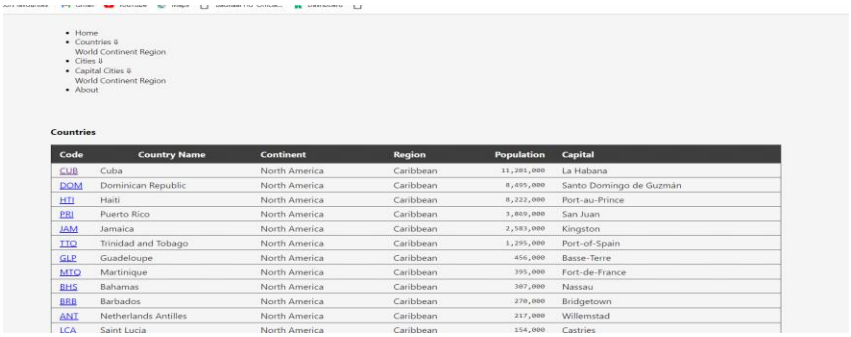
Picture 5: all coutries



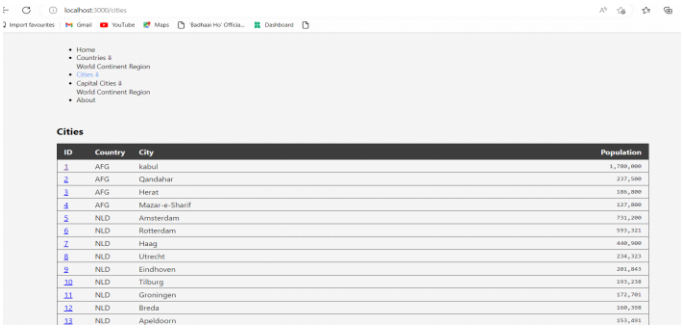
Picture 6: i select only one country



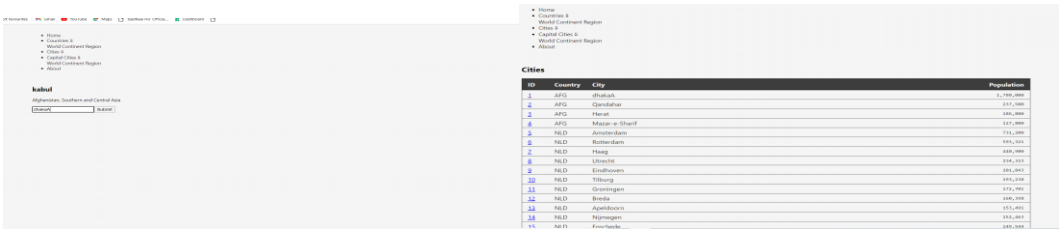
Picture 7:capital city with country , population and continent



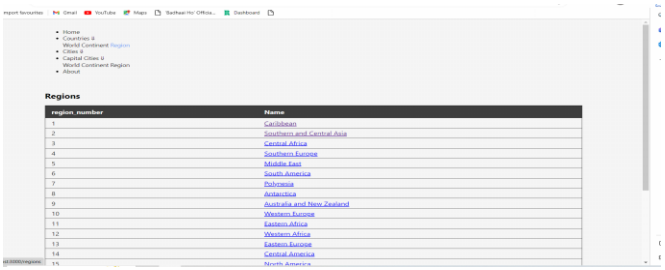
picture 8: countries with region



picture 9: al cities



picture 10: city edit and updated city



picture 11: all regions