

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.

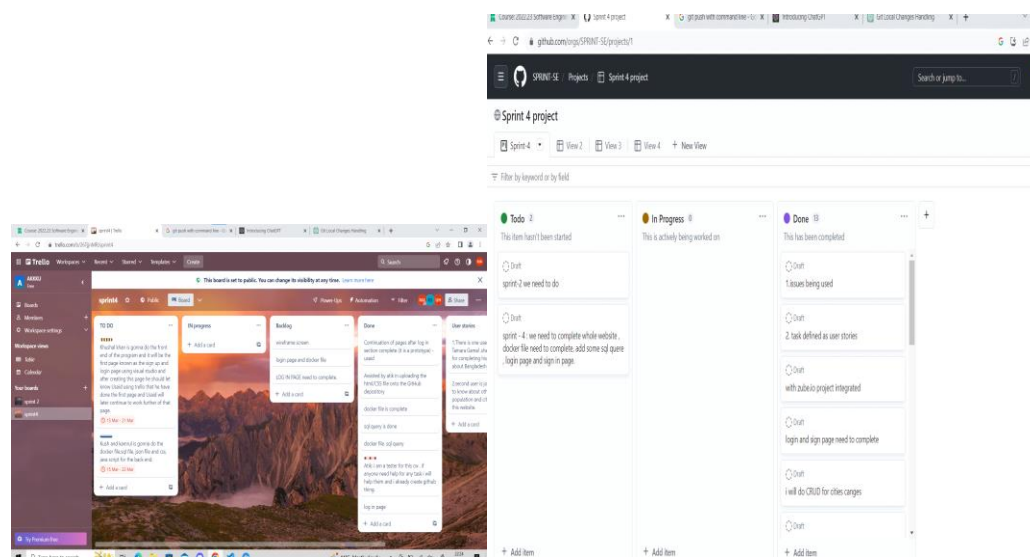
Team Collaboration: Although I worked alone on this project for the most part, my prior teamwork and collaboration experiences from coursework 1 and 2 gave me invaluable insights.

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.

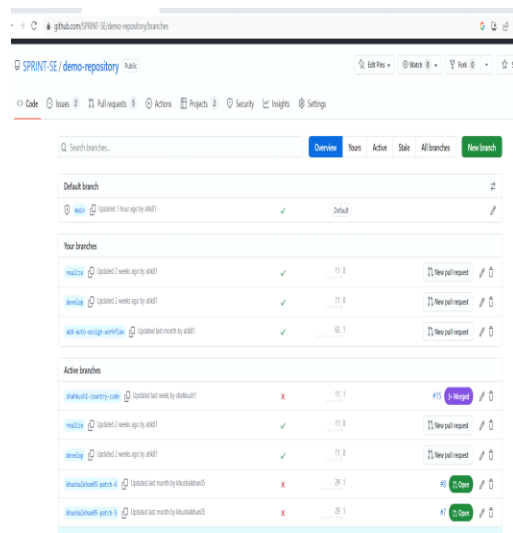
Overall, this project enabled me to develop a user-friendly website offering extensive information about populations, cities, capital cities, countries, and regions. The experience helped me gain valuable insights into development practices, effective teamwork, and personal growth.

Now i will explian my whole project with some screenshot:

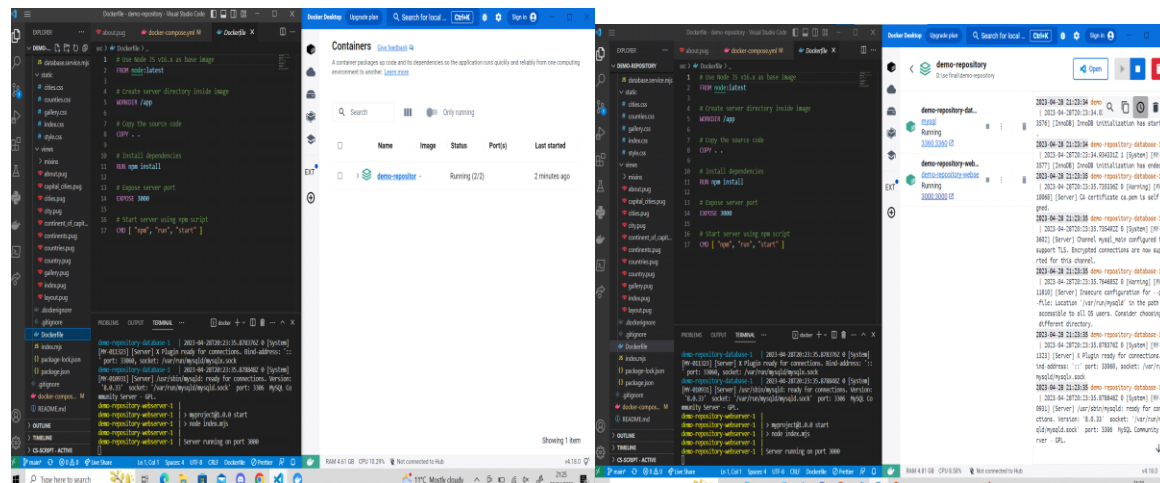


picture 1. we use trello for our project management tools and we use github product

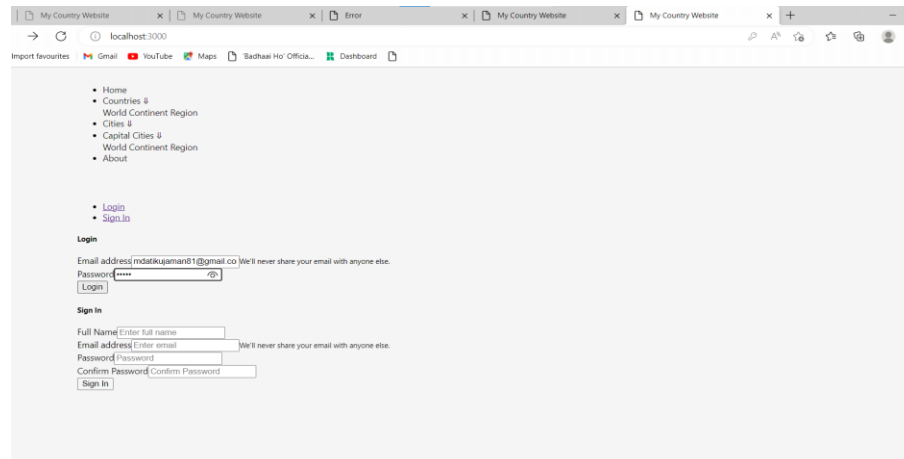
backlog backlog as well.



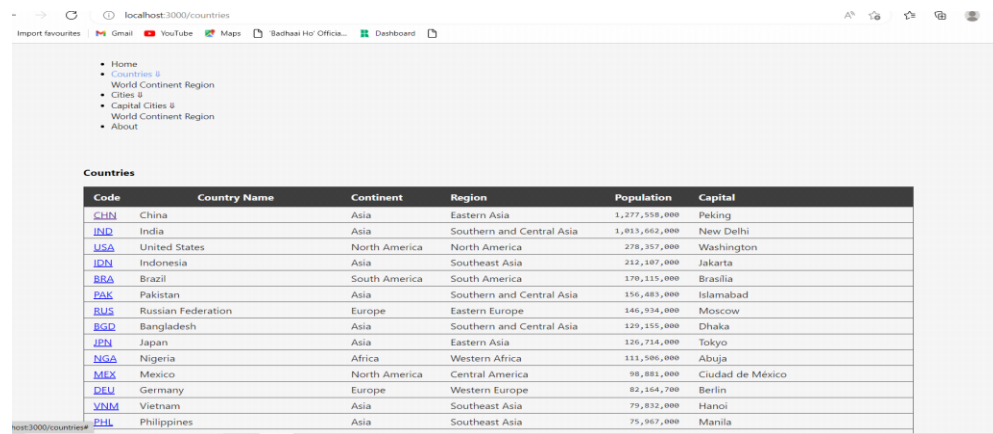
Picture 2: Github brach



picture 3: docker file create and localport.

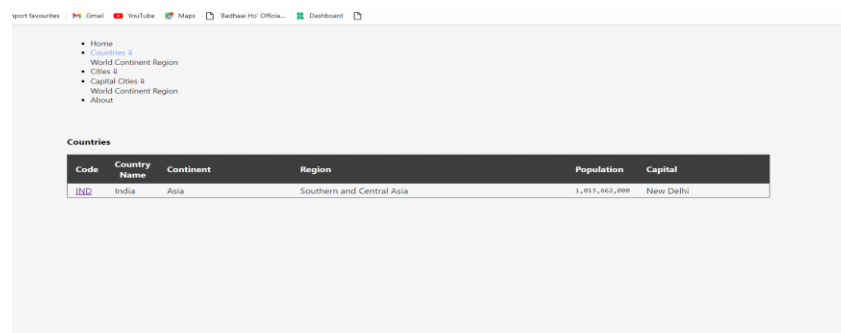


Picture 4: home page and log in page



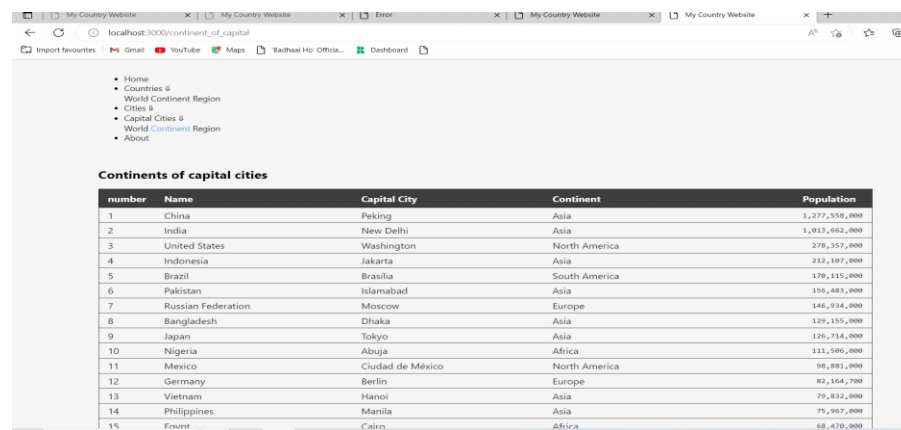
Code	Country Name	Continent	Region	Population	Capital
CHN	China	Asia	Eastern Asia	1,277,558,000	Peking
IND	India	Asia	Southern and Central Asia	1,013,662,000	New Delhi
USA	United States	North America	North America	278,357,000	Washington
IDN	Indonesia	Asia	Southeast Asia	212,107,000	Jakarta
BRA	Brazil	South America	South America	170,115,000	Brasilia
PAK	Pakistan	Asia	Southern and Central Asia	156,483,000	Islamabad
RUS	Russian Federation	Europe	Eastern Europe	146,934,000	Moscow
BGD	Bangladesh	Asia	Southern and Central Asia	129,155,000	Dhaka
JPN	Japan	Asia	Eastern Asia	126,714,000	Tokyo
NGA	Nigeria	Africa	Western Africa	111,506,000	Abuja
MEX	Mexico	North America	Central America	98,881,000	Ciudad de México
DEU	Germany	Europe	Western Europe	82,164,700	Berlin
VNM	Vietnam	Asia	Southeast Asia	79,832,000	Hanoi
PHL	Philippines	Asia	Southeast Asia	75,967,000	Manila

Picture 5: all countries



Code	Country Name	Continent	Region	Population	Capital
IND	India	Asia	Southern and Central Asia	1,013,662,000	New Delhi

Picture 6: i select only one country



number	Name	Capital City	Continent	Population
1	China	Peking	Asia	1,277,558,000
2	India	New Delhi	Asia	1,013,662,000
3	United States	Washington	North America	278,357,000
4	Indonesia	Jakarta	Asia	212,107,000
5	Brazil	Brasilia	South America	170,115,000
6	Pakistan	Islamabad	Asia	156,483,000
7	Russian Federation	Moscow	Europe	146,934,000
8	Bangladesh	Dhaka	Asia	129,155,000
9	Japan	Tokyo	Asia	126,714,000
10	Nigeria	Abuja	Africa	111,506,000
11	Mexico	Ciudad de México	North America	98,881,000
12	Germany	Berlin	Europe	82,164,700
13	Vietnam	Hanoi	Asia	79,832,000
14	Philippines	Manila	Asia	75,967,000
15	Egypt	Cairo	Africa	68,476,000

Picture 7: capital city with country, population and continent

Code	Country Name	Continent	Region	Population	Capital
CUB	Cuba	North America	Caribbean	11,281,000	La Habana
DOM	Dominican Republic	North America	Caribbean	8,095,000	Santo Domingo de Guzmán
HTI	Haiti	North America	Caribbean	8,222,000	Port-au-Prince
PR	Puerto Rico	North America	Caribbean	3,495,000	San Juan
JAM	Jamaica	North America	Caribbean	2,983,000	Kingston
TTG	Trinidad and Tobago	North America	Caribbean	1,295,000	Port-of-Spain
GLP	Guadeloupe	North America	Caribbean	456,000	Basse-Terre
MTQ	Martinique	North America	Caribbean	395,000	Fort-de-France
BHS	Bahamas	North America	Caribbean	387,000	Nassau
BBG	Barbados	North America	Caribbean	278,000	Bridgetown
ANT	Netherlands Antilles	North America	Caribbean	217,000	Willemstad
LCA	Saint Lucia	North America	Caribbean	154,000	Castries

picture 8: countries with region

ID	Country	City	Population
1	AFG	Kabul	1,788,000
2	AFG	Qandahar	237,500
3	AFG	Herat	186,000
4	AFG	Mazar-e-Sharif	127,000
5	NLD	Amsterdam	731,200
6	NLD	Rotterdam	593,321
7	NLD	Haag	448,000
8	NLD	Utrecht	236,323
9	NLD	Eindhoven	201,043
10	NLD	Tilburg	193,238
11	NLD	Groningen	172,761
12	NLD	Breda	168,398
13	NLD	Apeldoorn	153,493

picture 9: al cities

ID	Country	City	Population
1	AFG	Kabul	1,788,000
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10	NLD	Tilburg	193,238
11	NLD	Groningen	172,761
12	NLD	Breda	168,398
13	NLD	Apeldoorn	153,493
14	NLD	Münster	152,003
15	NLD	Frankfurt	149,244

picture 10: city edit and updated city

region number	Name
1	Caribbean
2	Southern and Central Asia
3	Central Africa
4	Southern Europe
5	Middle East
6	South America
7	Oceania
8	Africa
9	Australia and New Zealand
10	Western Europe
11	Eastern Africa
12	Western Africa
13	Eastern Europe
14	Central America
15	North America

picture 11: all regions

