SOFTWARE ENGINEERING

GROUP COURSEWORK

SPRINT-1

MEMBERS: **SUBMITTED TO:**

MANAV   SHEKOUFEH RAHMANI

MEHRAJ

NEEL

PRAJ

AWAIZ

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GitHub Link- https://github.com/manav1x/Group-Coursework-Software-Engineering

CODE OF CONDUCT

A code of conduct is a set of rules and regulations that all members of the programming group must abide by. When you sign these documents, you are agreeing to these rules and Any violation of these rules would result in a warning being issued to the member/members who violated the regulations. Any member that receives three warnings would be reported to the module teacher

- There is a zero-tolerance policy towards discrimination, hate speech, and being disrespectful towards a member/member's ideas, race, community, etc., and would force the committee to suspend/revoke the membership of the person in violation.
- This group encourages the members to report any misbehavior and mishaps between any group members to the Committee Head. Let it be known that these issues would be handled anonymously, and a meeting would be held with the module convener to discuss these issues.
- ANY IDEAS SHARED BETWEEN THE GROUP SHOULD NOT BE SHARED WITH ANY OTHER PEOPLE AND ARE RESTRICTED TO THE GROUP MEMBERS ONLY. ANY IDEAS OR WORK SHARED OUTSIDE THE GROUP WITHOUT THE CONSENT OF THE MEMBERS WILL BE CONSIDERED AS A VIOLATION OF THE CONDUCT AND WOULD BE REPORTED TO THE PROGRAM CONVENER ON AN IMMEDIATE BASIS.
- Consider each other's work and input ideas. In case of any conflicts between the members, a vote will be taken place, and the decision would be based on most of the votes, and everyone would have to abide by it. Further, if a draw occurs in voting between members, an outside counsel could be consulted to deliver the decision. In this case, the outside counsel is the module teacher.
- Every week, there would be three meetings, two in person and one online, to review the code issues and initiate an exchange of ideas between the members. Please note that this meeting will be conducted after considering the schedule of all the members. Any member who fails to join this meeting three times in a row will be reported and a meeting will be held where the member would have to state a reason for his absence. Any member late for the meeting would have to buy the group a cup of coffee.
  The days decided for the in-person meetings are Monday (2:30 PM) and Wednesday (2:30 PM). The online meeting is to be conducted every Sunday (12 PM).

- Since there are five members in the group, it has been decided that the roles would be switched every sprint so that all the members get equal exposure to understand the product as well as showcase their leadership and conflict resolution qualities. For Sprint 1, the allocated roles are the following:

SR NO.	NAME	ROLE
1.	Neel Jain	Scrum Master
2.	Mehraj Gaud	Product Owner
3.	Praj Patel	Committee Head
4.	Mohammad Awaiz	Committee member
5.	Manav Doshi	Committee member

PRODUCT INFORMATION

The product we are considering for this project is a data analytics website that considers the data provided, including information about a country's population, cities, and the language spoken in these cities. It also provides information about the country's area, gnp, etc which can be used for various research purposes.

PRODUCT BACKLOG

The following is the priority list and product backlog for sprint 1:

TASKS	COMPLETED
Setting up a GitHub account	Sprint 1
Create branches	Sprint 1
Create a code of conduct	Sprint 1
Create Docker file	Sprint 1
Clone repository	Sprint 1
Data Analysis and making a directory of data in the web server.	To be completed in Sprint 2-3
Kanban board for task prioritization	To be completed in Sprint 2
Making User Stories	To be completed in Sprint 2

Table 1

We have also identified functional and non-functional requirements for this project.

Functional requirements include allowing only certain users to access the database i.e., making an authorization system for users to log in and log off. Another one is to make a search filter tool that allows users to search exactly what they are looking for in the database.
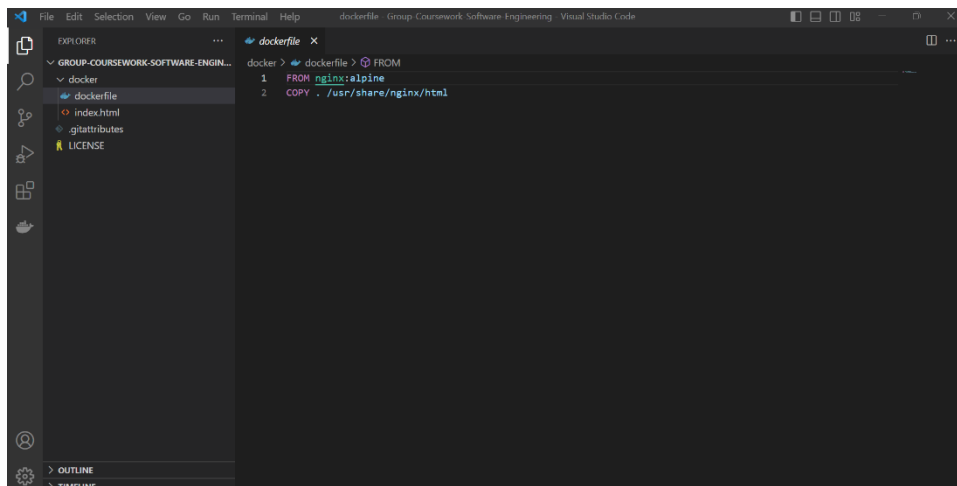
Non-functional requirements are improving user connectivity to the website and ensuring the security of the system on which the web server would be hosted.
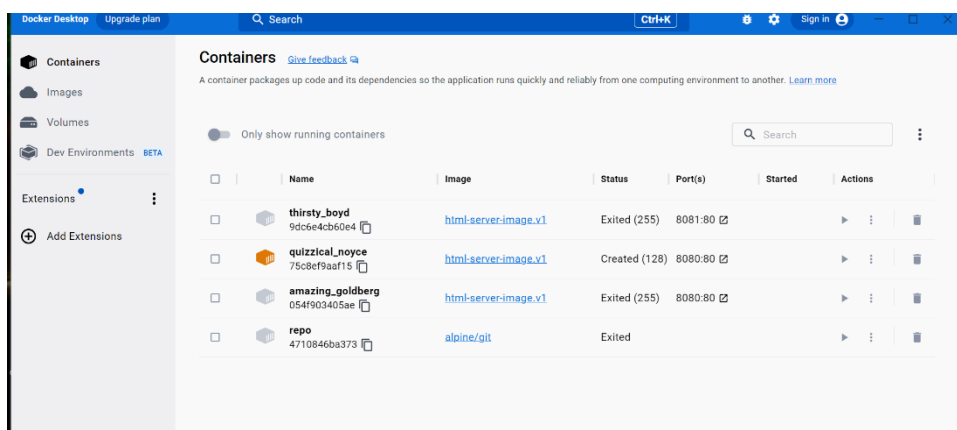
Identifying target audience:

The target audience for the following website can be as follows:

- Financial institution
- Geologist
- Health organizations
- Data Analyst
- Demographist
- Students
- Administrative Bodies

DOCKER FILE SETUP-

Docker Image -1

Docker Image-2