Product Backlog

A product backlog is a prioritized list of features, enhancements, and bug fixes that a development team intends to build and deliver in future versions of a product. It acts as a roadmap for the development team and helps in prioritizing and tracking the progress of work.

The main motive of the coursework that has been given us to do is design and implements a new system to make the access of the population information much easier. The SQL database has been provided in the coursework and the new system that is to be made needs to consider the points that's been delivered in the database.

So, the product backlog that I have created in order to make such system that fulfills the mentioned requirement is as follows:

- The user should be able to access the population information easily so, that the user can obtain the information needed for them.
- The user should be able to search the population information by location so, that the user can find the information about specific areas.
- The user should be able to download the population in spreadsheet format in order to perform additional analysis and calculations.
- The user should be able to add new information to the existing database.
- The user should be able to get an organized list of countries belonging to world, continent and region respectively by largest population to smallest.
- The user should be able to get the top 'N' countries of the world, continent and region respectively where 'N' is provided by the user.
- The user should be able to get an organized list of a population of a city by largest to smallest in five different geographic areas which are world, continent, region, country and district.
- The user should be able to get top 'N' populated cities in five geographic areas: world, continent, region, country and district. 'N' is provided by the user.
- The user should be able to get a population of capital cities sorted by largest to smallest in three different geographic areas: world, continent and region. Similarly, top 'N' capital cities in world, continent and region respectively should be generated where 'N' is provided by the user.
- The user should be able to get the population of people living in cities and people not living in them in continent, region and country respectively.
- The population of six different geographical areas world, continent, region, country, district and city should be provided to the user.

- The user should be able to get an organized list of major languages spoken in the world sorted from largest to smallest, including the percentage of the population.
- The user should be able to get the country Name, code and know the information about which continent and region does it belongs to. It should also give information about the countries capital and population.
- The user should be able to see columns named as name, country, district and population under city report.
- For the capital city, the user should be able to see columns named as Name, Country and population.

Code of Conduct

Our code of conduct for report has clear set of standards for our report conduct. It has specific conduct for our report that is not plagiarized with other. Breaking of this following code of conduct can have an adverse effect on the members of team. These rules are set by all the members' agreement the basis of the report policy.

- **Group Descriptions**
  The group named as Gorkhali includes 5 members. We are all the student of computer science working in module called software engineering. All the member of the team meets every Wednesday in seminar session however; all the members are in the Thursday session because that was the only slot available at the end.
- **Team Behavior**
  While doing individual and group task member should be pleasant with each other. Similarly, each team member should take a responsibility of their own given task with the interest of learning. If there are some problems related to this conduct, there will be two warning for members and at last the member will be taken out from the group.
- **Tardiness/absenteeism**
  There will be 3 workings days in a week were participating in the group task will be recorded. If there is absence in group task work which leads to negative impact for the entire member of group. However, due to sickness or other serious matter will be excused. If the member didn't attend for 2 days, meeting will be held a discussed with all the team members.
- **Employee break policy**
  There is 1 hour lunch break while attending the group task. More than hour of break time taken by members will not be acceptable. Although it is not offensive, it effects in

group appraisal and track record of the group. There will be strict action against long term basis if employees did not follow.

- **Conflicts of Interest**

  All the participants are not allowed to be influence by other group members. Entire time while doing the task, the laws and regulation should be followed. Maintain ethical standard and avoid different actions that could harm the reputation of our members. If there are such cases there will be demonstration meeting with academic department.

- **Communication**

  Communication in group should be non-offensive to each other. Similarly, ideas should be clear and easy to understand so that each member can agree and include it as a important factor. In case of misunderstanding member have right to question until they have the idea of the statement.

- **Harassment**

  There is various type of harassment i.e., physical, mental, verbal. In case of mentioned harassment member of group will be reported to criminal/security department.

- **Use of data**

  Data used in the individual task will have to be referenced and as required in the report criteria. Misuse of the data or copied can harm the group work and bad influence to other group of member.
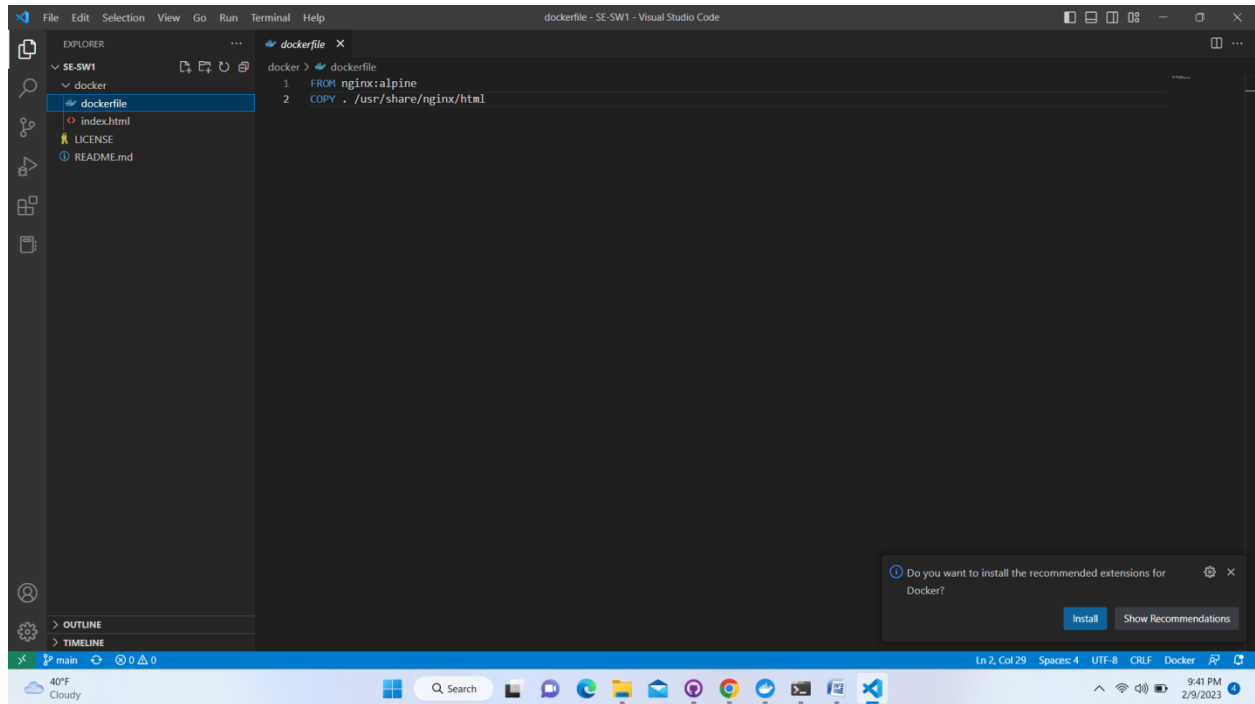
- **Intoxication**

  Consuming toxic substance like alcohol and other types of drugs while doing task in a group are bad influence and impact in the poor quality task. Such cases will lead to banned from the group.

IMPORTANCE OF CODE OF CONDUCT
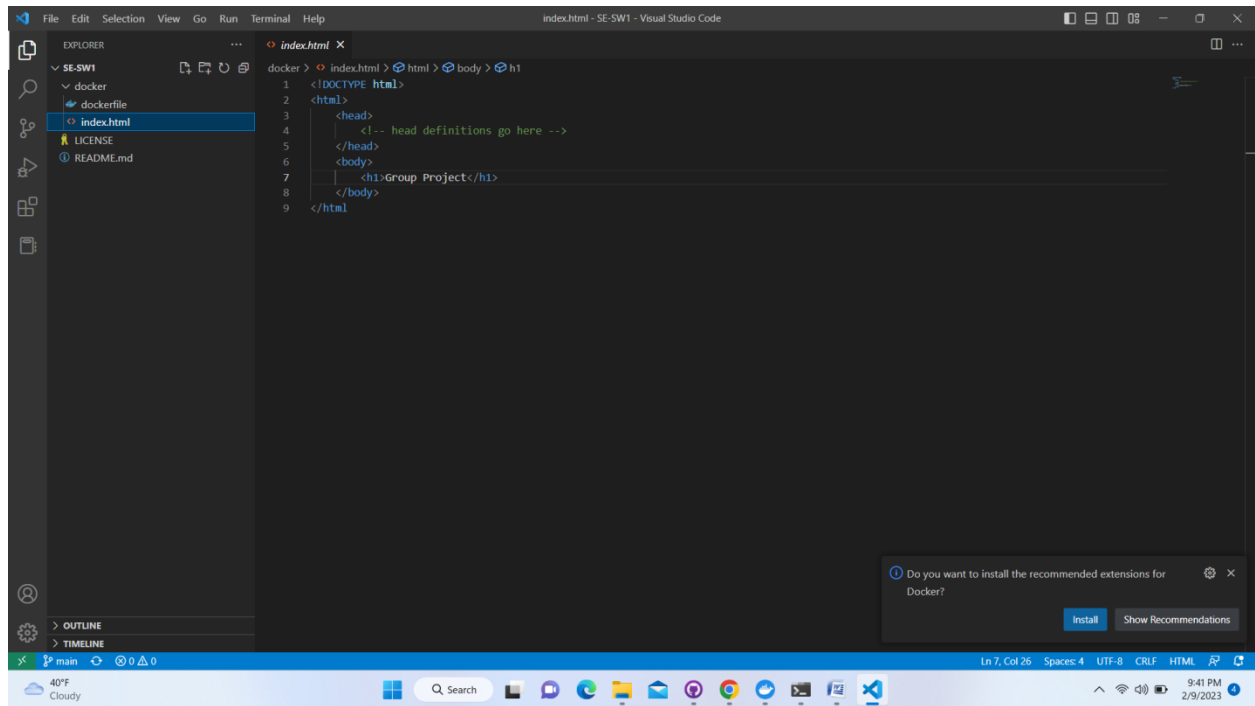
1. Agile and getting accustom the culture of group
2. Help a group member to present an issue related to code of conduct
3. To follow the policies accordingly and help to be in line.
4. To track a member's behavior and create a versatile culture of the group.
5. To help him/her stay in a group longer.

URL of the team Github project:

https://github.com/Bishal240/SE-SW1/tree/main

File   Edit   Selection   View   Go   Run   Terminal   Help

EXPLORER

∨ SE-SW1

∨ docker
  dockerfile
  index.html
  LICENSE
  README.md

docker > dockerfile

```
1   FROM nginx:alpine
2   COPY . /usr/share/nginx/html
```

Do you want to install the recommended extensions for Docker?

Install   Show Recommendations

> OUTLINE
> TIMELINE

main   0 0   Ln 2, Col 29   Spaces: 4   UTF-8   CRLF   Docker

40°F
Cloudy

Q Search

9:41 PM
2/9/2023

EXPLORER

SE-SW1

docker
  dockerfile
  index.html
LICENSE
README.md

docker > index.html > html > body > h1

```html
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <!-- head definitions go here -->
5      </head>
6      <body>
7          <h1>Group Project</h1>
8      </body>
9  </html>
```

Do you want to install the recommended extensions for Docker?

Install   Show Recommendations

OUTLINE
TIMELINE

main   Ln 7, Col 26   Spaces: 4   UTF-8   CRLF   HTML

40°F
Cloudy

Search

9:41 PM
2/9/2023

Current repository
SE-SW1

Current branch
main

Fetch origin
Last fetched 20 minutes ago

Changes | History

Select branch to compare...

Docker

Bishal Bista • 829efd4   4 changed files +11 -8

Merge branch 'main' of https://githu...
Bishal Bista • 20 minutes ago

Docker
Bishal Bista • 21 minutes ago

Delete index.html
Bishal240 • 27 minutes ago

Delete Dockerfile
Bishal240 • 27 minutes ago

docker
Bishal Bista • 1 hour ago

Initial commit
Bishal240 • 3 hours ago

docker\dockerfile   +
docker\index.html   +
dockerfile\Dockerfile   −
dockerfile\index.html   −

```
@@ -0,0 +1,2 @@
1  +FROM nginx:alpine
2  +COPY . /usr/share/nginx/html
```

40°F
Cloudy

Q Search

9:44 PM
2/9/2023