

Date: Friday, 3rd Feb 2023 Due Date: 10/02/2023

In Sprint 1, the team will develop a strong development structure and effective communication while building a software project. The team will use GitHub for collaboration (week 2 lab) and create a code of conduct with guidelines. The code of conduct will be stored in Google Docs, while files and progress will be tracked in GitHub. Trust, transparency and accountability are the core values of the team. As part of the code of conduct, all tasks must be assigned reasonably, copying is prohibited, and responsibility must be taken for the work assigned. Violations of the code of conduct may result in warnings from the project manager, termination from the project, and a score of 0. Team members agree not to violate the code of conduct or use ChatGPT for the project.

INTRODUCTION

We are dedicated to providing a harassment free experience for everyone, and we do not tolerate harassment of participants in any form. We ask you to be considerate of others and behave professionally and respectfully to all other participants. This code and related procedures also apply to unacceptable behaviour occurring outside the scope of community activities, in all community venues— online and in-person—as well as in all one-on-one communications, and anywhere such behaviour has the potential to adversely affect the safety and well-being of community members. Exhibitors, speakers, sponsors, staff and all other attendees at events organised by Docker, Inc (DockerCon, meetups, user groups) or held at Docker, Inc facilities are subject to these Community Guidelines and Code of Conduct.

Diversity and inclusion make the Docker community strong. We encourage participation from the most varied and diverse backgrounds possible and want to be very clear about where we stand.

Our goal is to maintain a safe, helpful and friendly Docker community for everyone, regardless of experience, gender identity and expression, sexual orientation, disability, personal appearance, body size, race, ethnicity, age, religion, nationality, or other protected categories under applicable law.

BELOW YOU WILL FIND A FULL BREAKDOWN

As a team we value **Trust** with each other and this means that we will be able to have trust in the assignment due dates and this should be a requirement that is needed to be followed.

Another value within the group would be **Transparency** this means that everybody should always be available for discord meetings and if there is any issue they should have the ability to have strong communication with each other in good timing .

Another value which is required would be having **Accountability** for example if a piece of work is designed and set for an individual within the group they should be fully able to complete the task and if they fail the individual will be accounted for.

CODE OF CONDUCT RULES

As a group we would not allow any form of **Unfairness**: NAS, SAMMY, YOUNIS, and MOHAMED should not be unfair about the tasks by friendship, for example giving easy work to his friend due to personal friendship as this is the code of conduct rules.

Another rule is submitting **Original work** - all work must be the team member's original work, and should not be shared between team members and should have the capacity to explain in good standards.

Another rule would be having **Responsibility**: if NAZ, SAMMY, YOUNIS, and MOHAMED are given work with a due date they should complete it on the given time frame. They should also be reliable when a meeting is in progress to attend on time and be in a quiet study-friendly environment.

FAILING RESULTS IN

The first step if users fail to follow the code of conduct will be having serious conversation with the person involved and this would be a form of warning before getting to the second step.

Naz, Sammy, and Younis agree that they will not violate the Code of Conduct and if so they agree that they would be following the results of misconduct.

The project manager Sammy will give a warning as the first step and then terminate their involvement in the group work and result to 0 .

The use of ChatGPT or any similar software for the project or the code is not allowed and could be taken seriously by the university of Roehampton and will be checked before submission and afterward and if fail the uni will follow the misconduct rules.

Any violations will result in a score of 0 (NAZ, SAMMY, YOUNIS, MOHAMMED)

The code of Conduct covers the problems that can arise and how the team will resolve issues when they arise within the group. This is shown as step 1 and step 2 protocol.

If any of the team members find a problem such as miscommunication they will be requested to follow a Report of complaint to the teacher and be able to describe the problem anonymously if they feel uncomfortable.

Once the teacher is aware and has an understanding about the issue we as a group try to fix the problem directly with whoever is involved and will be getting 0 for the work.

The final decision will be a clear violation and will result in a score of 0 (NAZ, SAMMY, YOUNIS and MOHAMED).

Backlog	In Progress (4)	In Review (2)	Done
Product Backlog- 05/02/23	Product Backlog- 03/02/23	Product Backlog- 05/02/23	Product Backlog
Code Of Conduct -05/03/23	Code Of Conduct- 03/02/23	Code Of Conduct-05/02/23	Code Of Conduct
DockerFile -07/02/23	DockerFile -04/02/23	DockerFile -07/02/23	DockerFile
GitHub URL- 08/02/23	GitHub URL -06/02/23	GitHub URL- 07/02/23	GitHub URL

The applying changes in github in our submission

```

PS C:\Users\aroraf\Pictures\wrk\Sprint1-1> git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:  CodeConduct.html
    new file:  home.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .vscode/
    Untitled-1.html

PS C:\Users\aroraf\Pictures\wrk\Sprint1-1> git add CodeConduct.html
PS C:\Users\aroraf\Pictures\wrk\Sprint1-1> git add home.html
PS C:\Users\aroraf\Pictures\wrk\Sprint1-1> git add styles.css
PS C:\Users\aroraf\Pictures\wrk\Sprint1-1> git status
On branch main
Your branch is up to date with 'origin/main'.

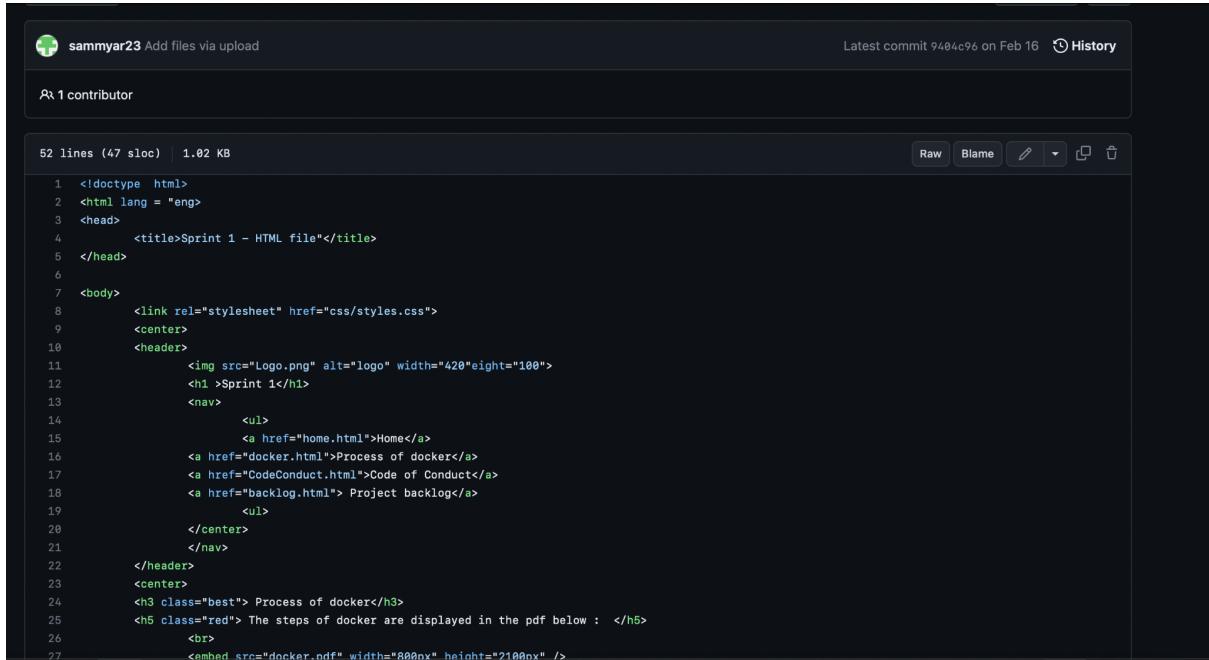
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:  CodeConduct.html
    modified:  home.html
    new file:   styles.css

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .vscode/
    Untitled-1.html

PS C:\Users\aroraf\Pictures\wrk\Sprint1-1>

```

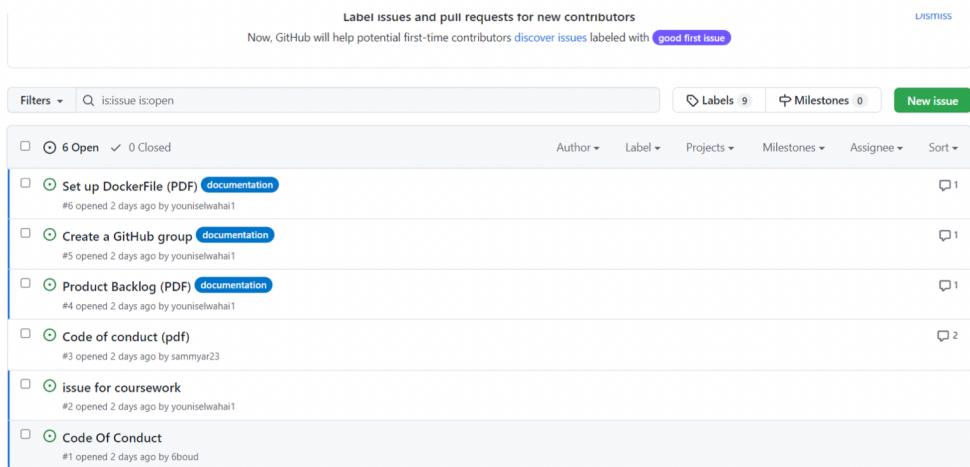
Docker on github



The screenshot shows a GitHub repository page for user 'sammyar23'. The repository has 1 contributor. The main file displayed is 'Sprint 1 - HTML file' with 52 lines (47 sloc) and a size of 1.02 KB. The code is as follows:

```
1 <!doctype html>
2 <html lang = "eng"
3 <head>
4     <title>Sprint 1 - HTML file</title>
5 </head>
6
7 <body>
8     <link rel="stylesheet" href="css/styles.css">
9     <center>
10    <header>
11        
12        <h1 >Sprint 1</h1>
13        <nav>
14            <ul>
15                <a href="home.html">Home</a>
16                <a href="docker.html">Process of docker</a>
17                <a href="CodeConduct.html">Code of Conduct</a>
18                <a href="backlog.html"> Project backlog</a>
19            </ul>
20        </center>
21        </nav>
22    </header>
23    <center>
24        <h3 class="best"> Process of docker</h3>
25        <h5 class="red"> The steps of docker are displayed in the pdf below : </h5>
26        <br>
27        <embed src="docker.pdf" width="800px" height="2100px" />
```

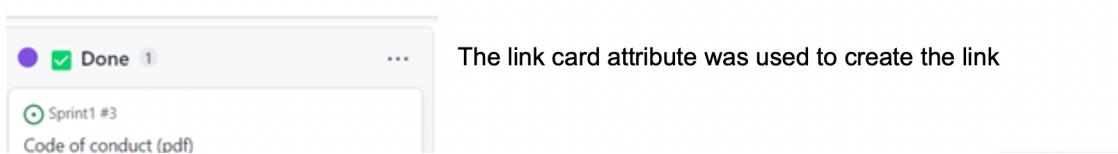
Issues were created by the group according to the submission.



The screenshot shows a GitHub issues list with the search bar set to 'is:issue isopen'. There are 6 open issues:

- Set up DockerFile (PDF) documentation
- Create a GitHub group documentation
- Product Backlog (PDF) documentation
- Code of conduct (pdf)
- issue for coursework
- Code Of Conduct

Issues were then assembled into our group backlog so every user in the group has an understanding of the current progress.



The backlog card for Sprint 1 #3 contains the following information:

- Done 1
- Sprint1 #3
- Code of conduct (pdf)

To the right of the card, the text 'The link card attribute was used to create the link' is displayed.

SPRINT 2

HERE IS THE RESEARCHER'S PERSONA



Personal name - Aisha
Age 30 years old
Occupation reporter
Archetype - reaserch reporter

Technology expertise level

Internet	● ● ● ● ●
Mobile apps	● ● ● ● ●
Software	● ● ● ● ●
Social media	● ● ● ● ●

the Researching Reporter: Aisha is a 35-year-old journalist based in Morocco. She is interested in writing about the impact of donations on cities in Morocco and wants to gather information and data about the cities and the projects that are being funded. She is looking for a website that provides comprehensive information about the cities and the organizations that are receiving donations, including financial reports, project updates, and other relevant data.

Goals
Aisha's goal is to gather information and data about the impact of donations on cities in Morocco. She is interested in understanding how donations are being used, the impact they are having, and what projects and cities are in most need of support. She is looking for a website that provides comprehensive information about the cities and projects being funded and is willing to conduct additional research as needed

Frustrations
Difficulty finding comprehensive information about the cities and projects being funded, which may limit the quality of her reporting.
Limited access to financial data or other relevant information, making it challenging to understand the impact of donations on the communities.
Inaccurate or outdated information on the website, which may lead to errors in her reporting.

HERE IS THE STUDENT DONER PERSONA



Personal name Hassan
Age 20 years old
Occupation N/A
Archetype - The Student Donor

Technology expertise level

Internet	● ● ● ● ●
Mobile apps	● ● ● ● ●
Software	● ● ● ● ●
Social media	● ● ● ● ●

Hassan is a 20-year-old university student in Morocco. He is passionate about giving back to his community and supporting social causes. He has limited financial resources but wants to contribute what he can to cities in need. He is looking for a website that is easy to use, accepts small donations, and provides information about the impact of his contribution

Goals
Hassan's goal is to make a meaningful contribution to cities in need in Morocco. He wants to support social causes and make a positive impact on his community, despite his limited financial resources. He is looking for a website that makes it easy for him to donate and provides information about the impact of his contributions

Frustrations
Difficulty navigating the donation website, resulting in a frustrating user experience.
A lack of transparency about how his donations will be used, making him unsure if his contributions will have a meaningful impact.
Limited payment options or barriers to donating online, which may make it difficult for him to contribute to causes he cares about.

HERE IS THE CHARITY PERSONA



Personal name - Khalid
Age unkown
Location Morocco
charity

Technology expertise level

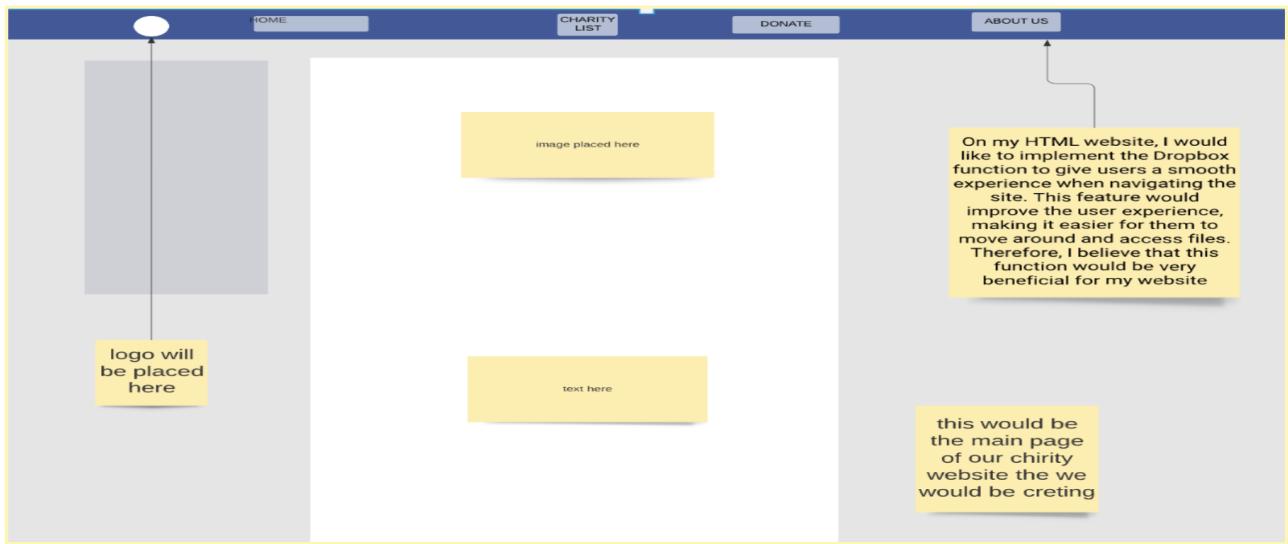
Internet	●	● ● ●
Mobile apps	●	● ● ● ●
Software	● ●	● ●
Social media	● ●	● ●

Khalid is a representative from a charity organization in Morocco. He is interested in collaborating with your organization to support cities in need. He is looking for a website that provides information about the projects and cities that are being funded, as well as the organizations and individuals who are contributing. He wants to connect with your organization and explore opportunities for partnership and collaboration.

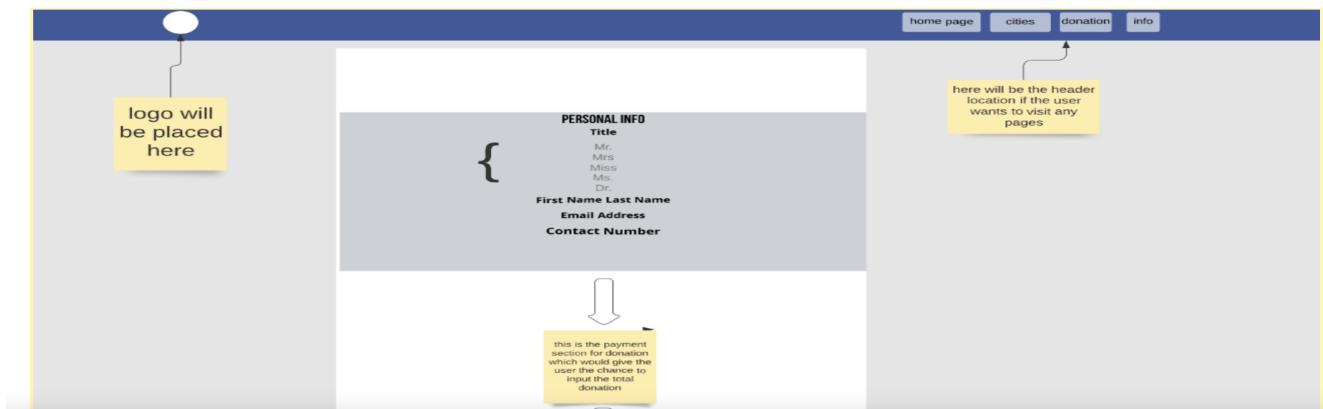
Goals
Khalid's goal is to collaborate with your organization to support cities in need in Morocco. He is looking for a website that provides information about the projects and cities that are being funded and the organizations and individuals who are contributing. He wants to connect with your organization and explore opportunities for partnership and collaboration, including joint projects, shared resources, and other initiatives

Frustrations
Khalid's goal is to collaborate with your organization to support cities in need in Morocco. He is looking for a website that provides information about the projects and cities that are being funded and the organizations and individuals who are contributing. He wants to connect with your organization and explore opportunities for partnership and collaboration, including joint projects, shared resources, and other initiatives.

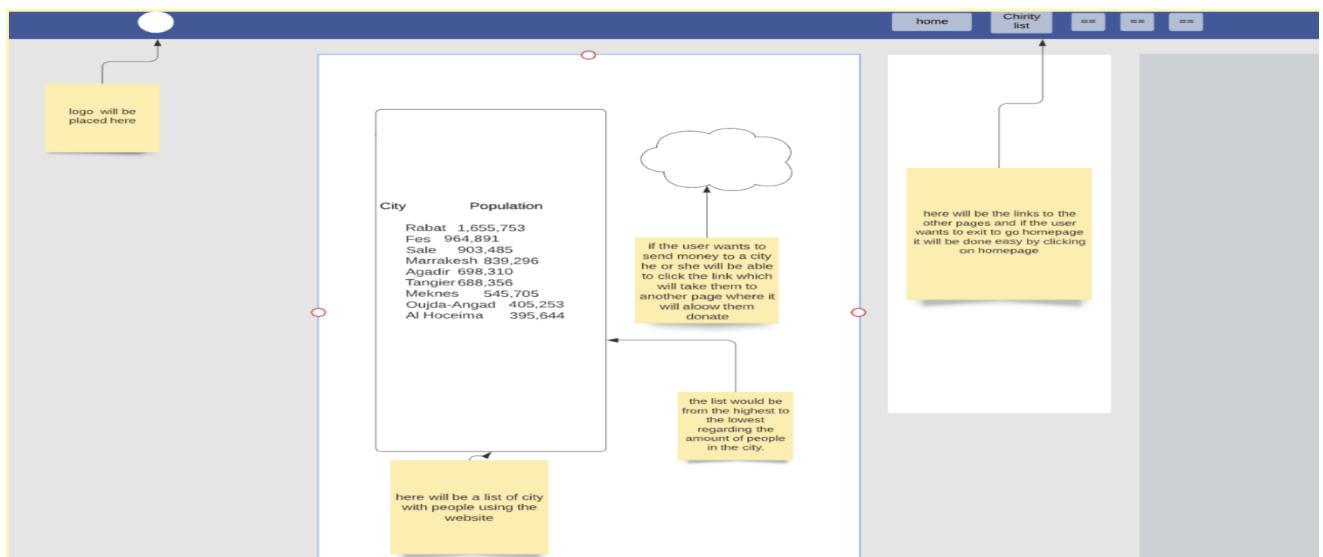
Home page of Moroccan charity



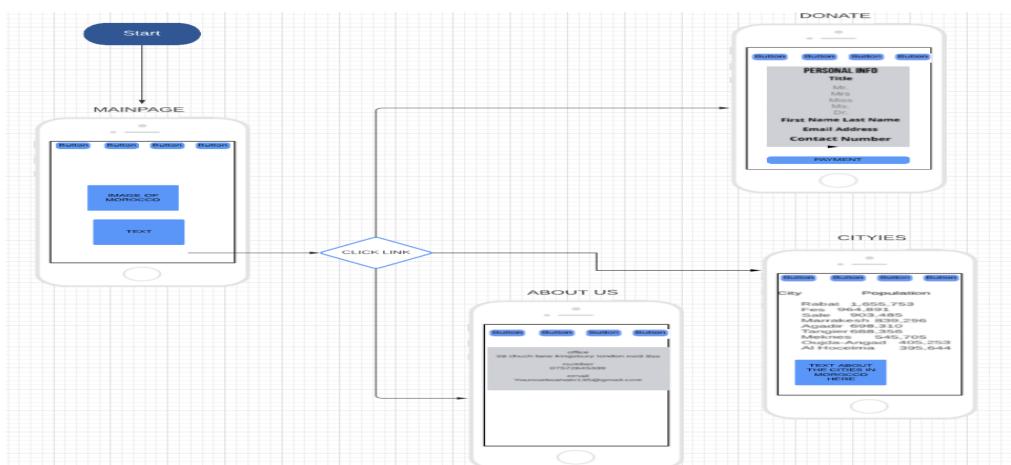
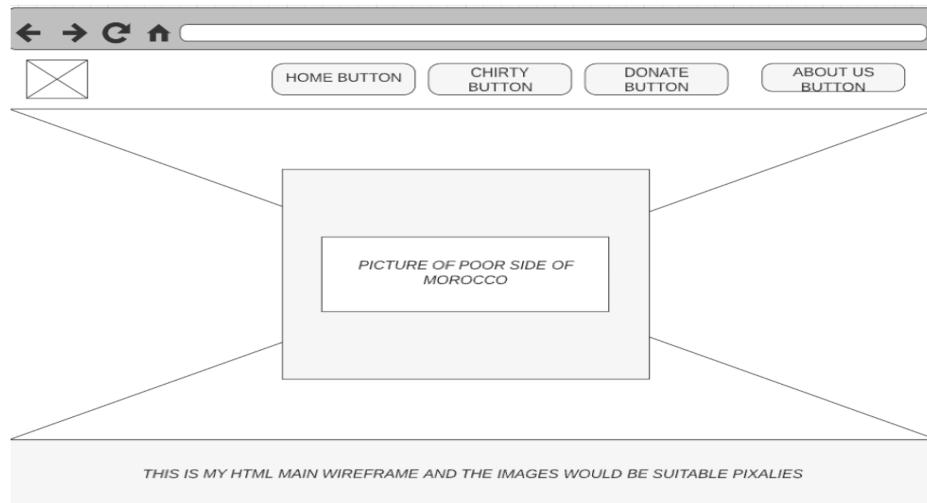
Donation page for the cities in morocco



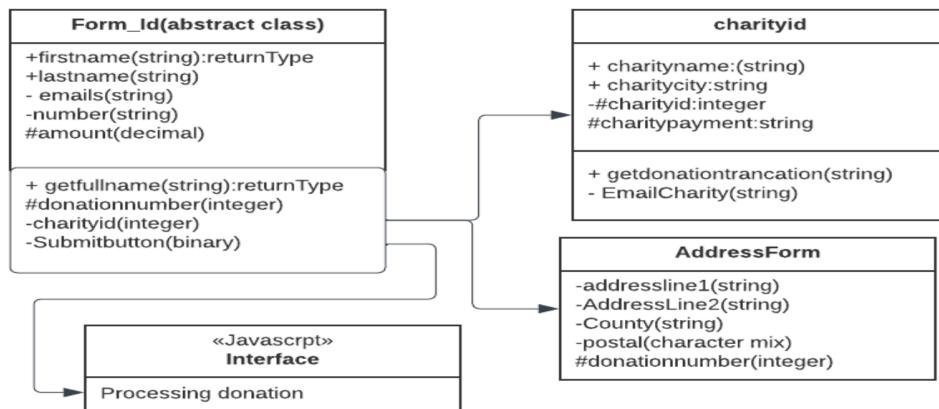
Charity list of morocco cities page



Homepage Wireframe



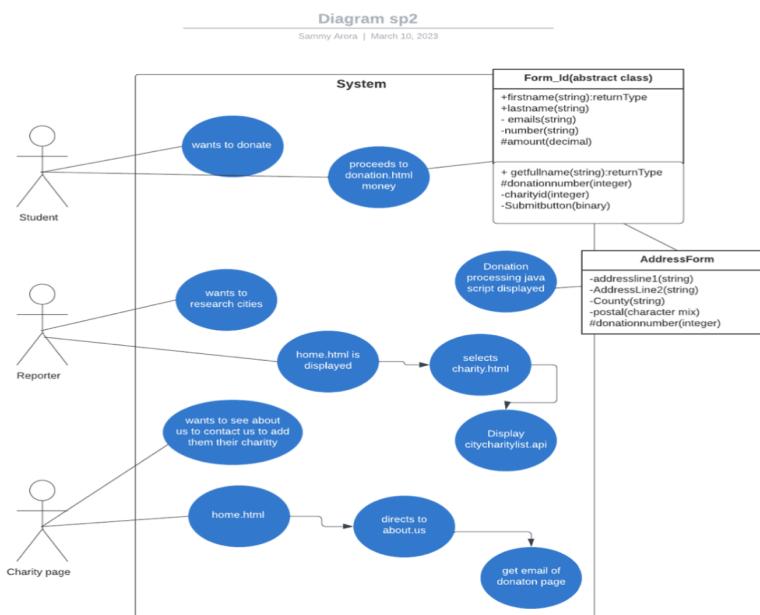
Class Diagram (mandatory)



A class diagram

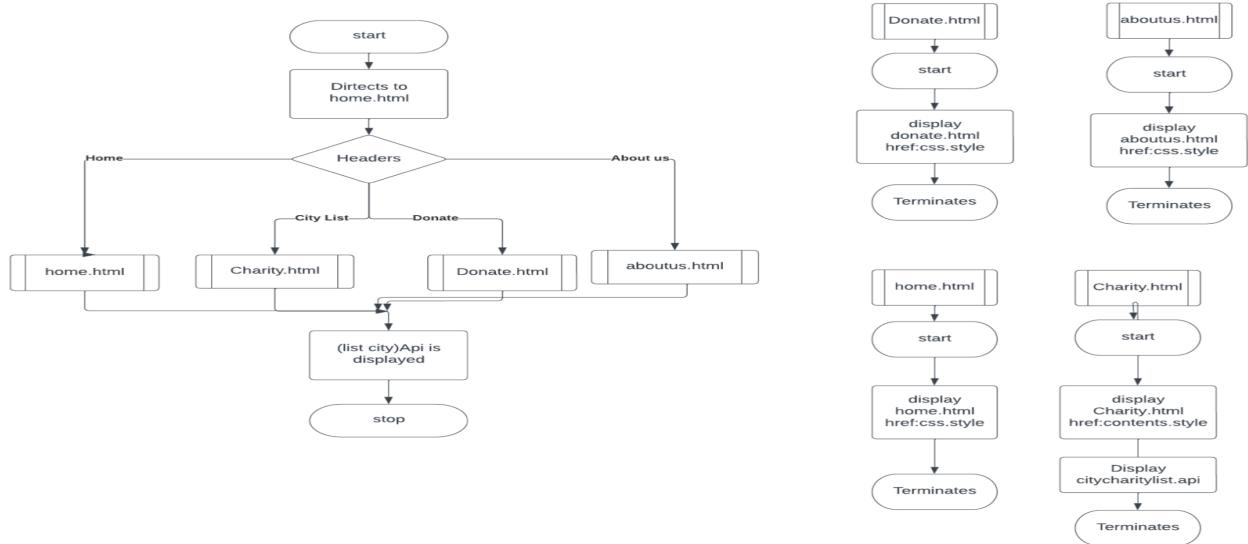
allows the developer to have an idea of what variables will be needed to perform the user's tasks and what these variables will return, for example, `firstname + lastname = getfullname(string)`. Furthermore these variables are sorted into objects and the properties within them are defined. Lastly it shows

Case diagram (mandatory)



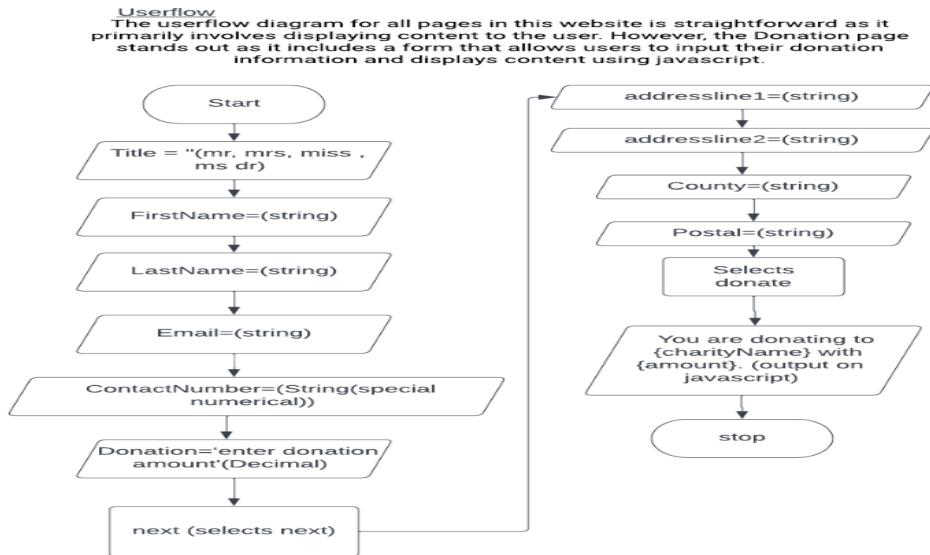
A Case diagram is an effective tool because it helps the developer visualize scenarios that potential users go through and what pages and data is needed. For instance, in the case of a charity page, a Use Case diagram could be used to identify the steps involved in joining the page and provide a means for potential charities to email the charity page via the "About Us" section.

The State diagram



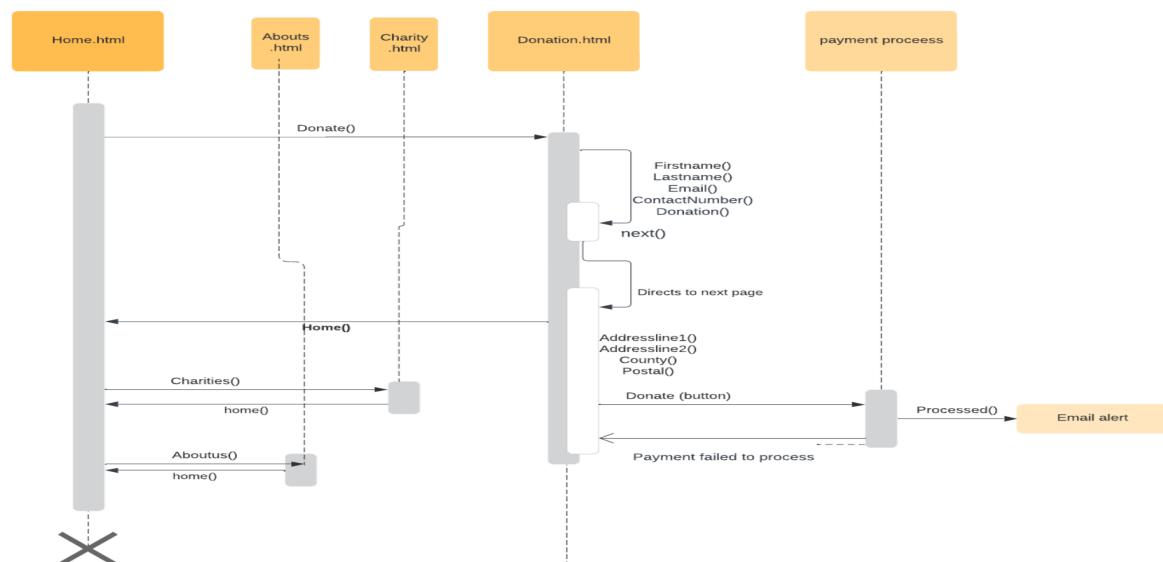
The State diagram displays all the potential choices the user can have on the website. This tool allows State the developers to see what can be missing. This can also make the website effective because it is efficient to the user's needs by displaying certain things at certain locations and maintaining a strong organized structure.

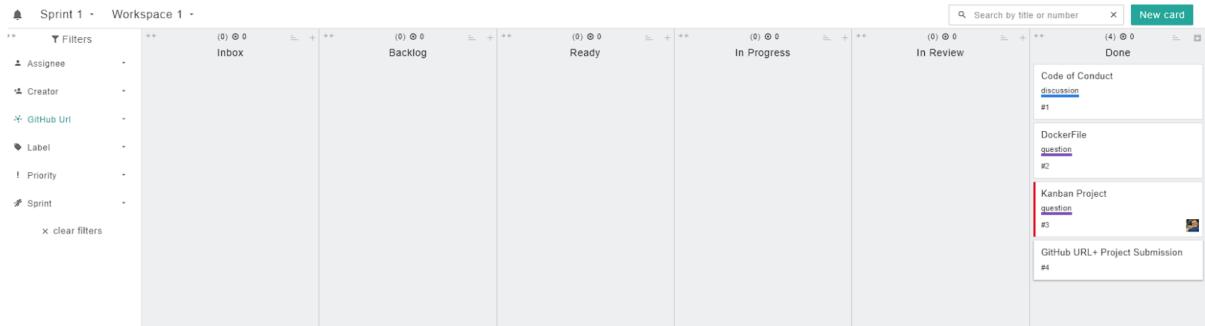
User Flow Diagram



The user flow diagram is quite straightforward to understand. It displays all the steps the user would need to take to achieve their goal or task. This representation allows the developer to have a better understanding of how to structure the page.

The idea of the “next” section is useful because a big form can be overwhelming for users. Through the use of the user flow diagram, we were able to understand how to split up the form into smaller parts.





I first added all the tasks that we had to complete in task 1 and added them to the kanban table. These included code of conduct, dockerfile, kanban project and github url and submission. As all of these have been completed, I added them all onto the 'done' column.

#1 Meeting 1- Zoom
Status: New Priority: High State: Open Owner: No owner Start: Feb 5, 2023 Due: Feb 5, 2023 Created: Mar 10
discussion
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%
#5 Code Of Conduct
Status: New Priority: Urgent State: Open Owner: No owner Start: Feb 5, 2023 Due: Feb 6, 2023 Created: Mar 10
discussion idea question
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%
#4 DockerFile
Status: New Priority: Urgent State: Open Owner: No owner Start: Feb 5, 2023 Due: Feb 7, 2023 Created: Mar 10
question
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%
#3 Product Backlog
Status: New Priority: Urgent State: Open Owner: No owner Start: Feb 5, 2023 Due: Feb 7, 2023 Created: Mar 10
question
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%
#2 Meeting 2- On Campus
Status: New Priority: Normal State: Open Owner: No owner Start: Feb 7, 2023 Due: Feb 7, 2023 Created: Mar 10
discussion
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%
#6 GitHub Url
Status: New Priority: Low State: Open Owner: No owner Start: Feb 4, 2023 Due: Feb 8, 2023 Created: Mar 10
question
Points: Open 8 Closed 0 Complete 0% Cards: Open 8 Closed 0 Complete 0%

sprint2 - Workspace 1

The screenshot shows a Kanban board with the following columns and their contents:

- Inbox:** Contains one card: "Test Runs on Travis CI #18".
- Backlog:** Contains zero cards.
- Ready:** Contains zero cards.
- In Progress:** Contains three cards:
 - "Database Design #19"
 - "Suitable Integration Test- Define #17"
 - "Suitable Uni Test- Define documentation #16"
- Done:** Contains 14 cards:
 - "Sprint Boards being used #15"
 - "The project integrated with Zube.io #10"
 - "Kanban/Project Board was used #11"
 - "Issues being used on GitHub #8"
 - "Full-use cases defined documentation #13"
 - "Code Of Conduct #1"
 - "Use case diagram created documentation #14"
 - "Issues being used on GitHub documentation #7"
 - "Tasks defined as user stories #9"
 - "Issue for coursework #2"
 - "Code of conduct (pdf) #3"

Filters: On the left, there are filters for Card Type, Source, Assignee, Creator, Epic, Label, Milestone, Priority, Sprint, and a clear filters button.

Sprint 3

Database with population added

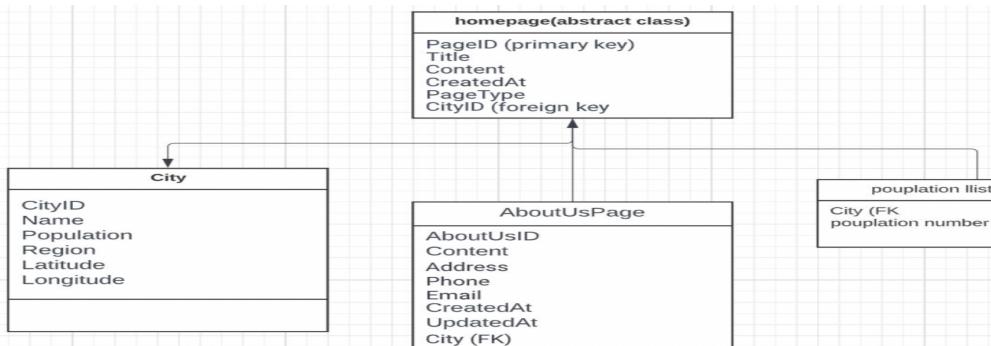
Population table with prefilled data- design

City	Population
Tokyo	37,468,302
Delhi	30,290,936
Shanghai	27,058,480
Sao Paulo	22,043,028
Mumbai	21,042,538
Beijing	20,384,682
Istanbul	15,029,231
Karachi	14,916,456
Dhaka	14,543,331
Moscow	13,197,596
Manila	12,877,253
Tianjin	12,784,830

City info page – prefilled data added on table.

City ID	City Name	Population	Region	Latitude	Longitude
1	Tokyo	37,468,302	Asia	35.6895	139.6917
2	Delhi	30,290,936	Asia	28.7041	77.1025
3	Shanghai	27,058,480	Asia	31.2304	121.4737
4	Sao Paulo	22,043,028	South America	-23.5505	-46.6333
5	Mumbai	21,042,538	Asia	19.0760	72.8777
6	Beijing	20,384,682	Asia	39.9042	116.4074
7	Istanbul	15,029,231	Europe	41.0082	28.9784
8	Karachi	14,916,456	Asia	24.8607	67.0011
9	Dhaka	14,543,331	Asia	23.8103	90.4125
10	Moscow	13,197,596	Europe	55.7558	37.6173

Database Class diagram



SQL AND TESTING

phpMyAdmin demo - My2

Current selection does not contain a unique column. Grid edit, checkbox, Edit, C

Showing rows 0 - 24 (72 total, Query took 0.0004 seconds.)

SELECT * FROM `morocco_population`

Profile [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

city	population
Casablanca	3144909
Rabat	1652553
Fes al-Bali	1500000
Sale	803485
Marakech	839296
Agadir	690110
Tanger	688356
Meknes	545105
Clouds-Angad	405203
Al Hoceima	395644
Kenitra	340000
Tetouan	326261
Temara	313510
Settat	298000
Sale Al Jadida	200000
Mohammedia	187708
Khouribga	160000
Beni Mellal	166399
Fes al-Bali	156000
El Jadid	134000
Taza	141890
Nador	129260
Settat	119002

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.0622 seconds)

-- Create the database CREATE DATABASE morocco_population;

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.0018 seconds)

-- Use the database USE morocco_population;

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.2423 seconds)

-- Create the City table CREATE TABLE City (CityID INT PRIMARY KEY, CityName TEXT NOT NULL, Population INT NOT NULL, Region TEXT, Latitude FLOAT, Longitude FLOAT);

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.4051 seconds)

-- Create the Page table CREATE TABLE Page (PageID INT PRIMARY KEY, PageTitle TEXT NOT NULL, PageContent TEXT NOT NULL, PageType TEXT NOT NULL, CityID INT, FOREIGN KEY (CityID) REFERENCES City(CityID));

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.1747 seconds)

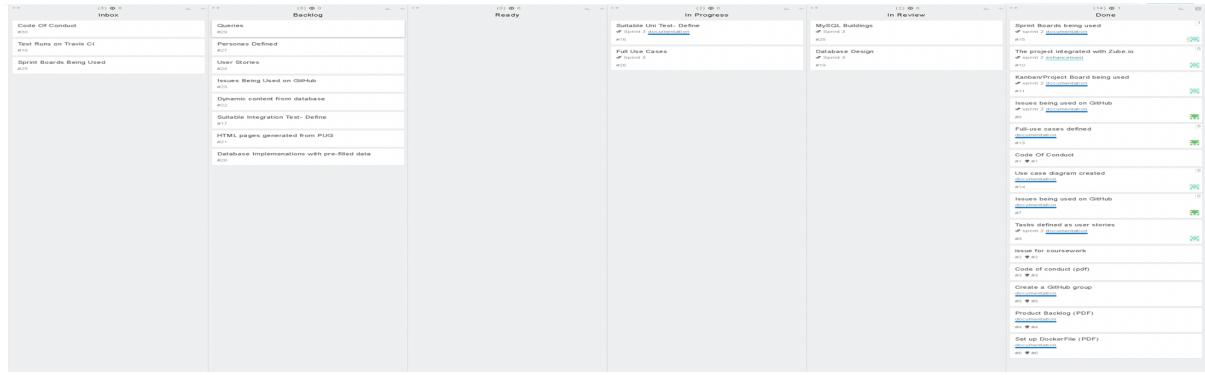
-- Create the AboutUsPage table CREATE TABLE AboutUsPage (AboutUsID INT PRIMARY KEY, AboutUsContent TEXT NOT NULL);

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.2331 seconds)

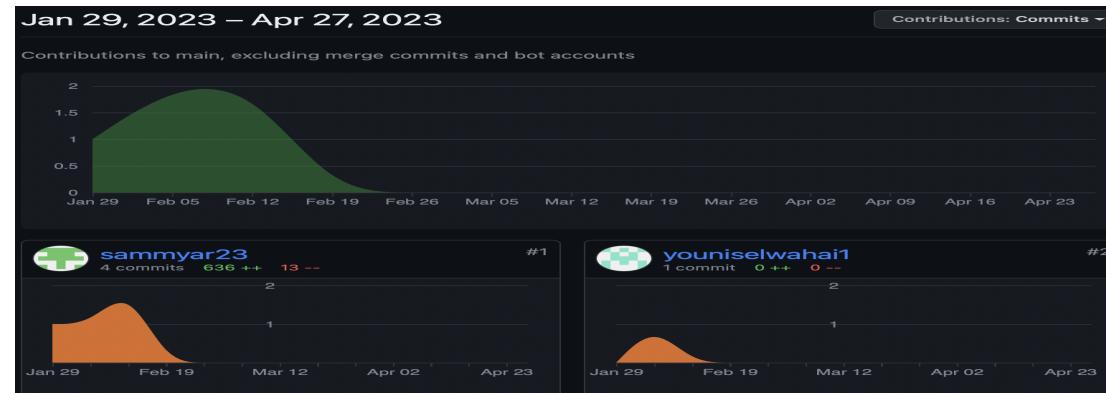
-- Create the HomePage table CREATE TABLE HomePage (HomePageID INT PRIMARY KEY, HomePageContent TEXT NOT NULL);

-- MySQL returned an empty result set (i.e. zero rows) (Query took 0.1859 seconds)

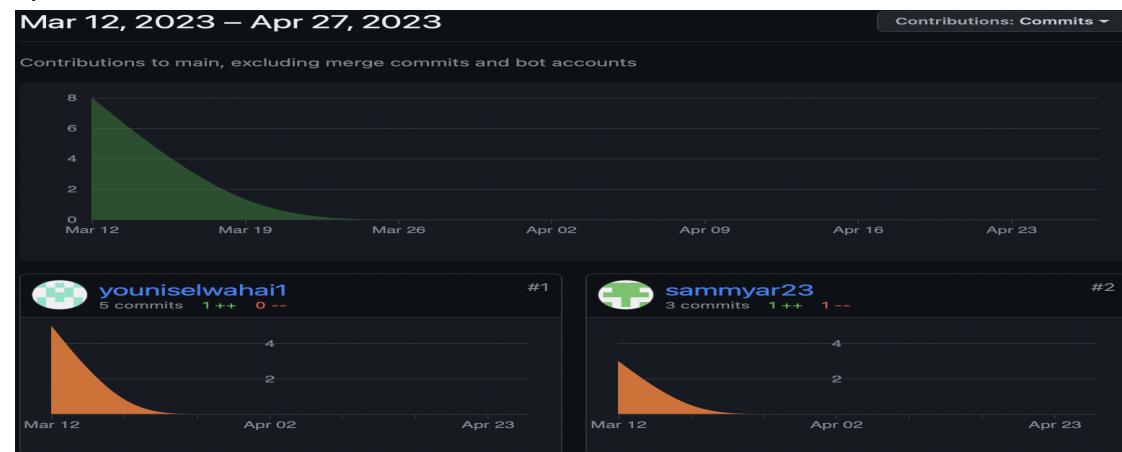
a set of unit tests designed to verify the correctness of a database schema and ensure that it meets the expected requirements. The tests are performed by executing SQL queries against the database and comparing the expected results with the actual results obtained from the queries.



Sprint 1



Sprint 2



Sprint 4

