Kanban

Kanban is a way of managing and improving work across human systems. This also shows how much time has been spent by giving the user a simple way to track the data. The Kanban system is organized into multiple columns and rows allowing the user to observe everything with no hassle. We have created a Kanban diagram below. In software development, Kanban is a well known tool as it provides a visual plan, which is one of the key principles of DevOps in terms of making work more visible.

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

Backlog-

Our backlog is the part of the kanban table which shows the team what tasks need to be completed, and also has their due date. This includes a Kanban table, which I (Mohamed) completed, a Code of COnduct file which was defined by Younis, a Docker File which Nassir completed and the group project's URL

which was done by Sammy. The product backlog was the first thing we had to complete as it mapped out the rest of the tasks that needed to be completed and when we needed to complete them by.

In Progress-

The 'In Progress' column shows which tasks the group is currently working on, and our card limit for this file is 4 as the group consists of 4 members which would mean every member is to be completing one task each at a time.

In review

The In review column shows which tasks are currently being reviewed by the group. After one of the members completes a task, it then needs to be reviewed by 2 members , which is why we set the column's limit to 2. When reviewing the task, the group has to make sure we are happy with the quality and standard of the work, and make any changes which may be needed. We had our first online zoom meeting on Sunday 5th of February at 18:00 , which is when the group reviewed the product backlog and the code of conduct file and were satisfied with both. We then had a group meeting on campus on the 7th of February at 14:00 where we sat down and analyzed the DockerFile and then also made sure that our GitHub Url was working and tested it a few times.

Done

'Done' column shows which tasks the team has fully completed and finished reviewing, and it allows us to record our progress. We then as a team know that a new milestone has been achieved when each task is completed and it allows us to shift our focus onto incomplete tasks.

Scrum

Scrum is a framework which the team uses to help manage the project and emphasize the importance of team work, accountability and making progress towards an end-goal. Scrum is part of agile software development and the term originates from a famous rugby formation where each player has a role. The scrum master, sammy, is referred to as project manager, he ensures that scrum is in place and that every player or in this case every member is completing their set tasks. The development team includes Mohamed, Sammy and Nas where members will split tasks between them and make sure they are completed by the deadline of each sprint, which is a time frame in which work must be completed. There is often a 3-4 week period between the dates that each sprint is due.