COSC310A2

SDLC Description: Agile-SCRUM

Group 6 has chosen SCRUM, the agile development process, for our SDLC framework. We felt as though a lightweight, iterative and incremental SDLC with its simple implementation was the best fit for us. We do not have a project manager or a scrum master. This is a small project and the group is dependable, productive and work independently so we did not think the roles were required.

Product backlog:

|  |
| --- |
| Plan, organize and control |
| Decide upon appropriate SDLC |
| Decide software design for chatbot |
| Finalize chatbot’s role and conversation topics |
| Code and design chatbot |
| Test and refine chatbot |
| Present Chatbot/ Video creation |
| Video editing |

SDLC Rationale:

More than half the group is currently out of the country and we needed a framework which would make it easy for everyone to independently know what they had to do while frequently communicating. SCRUM works while the members remain productive and we already had a product backlog structure decided, all we needed to do was self-assign tasks, which went down smoothly. Everyone managed their tasks independently while checking in with the group, updating on their completion. Sprints were made by subgroups independently, adhering to completion date and times.

Group members and roles:

WBS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Task NO. | Task Title | Estimated Hrs | Actual Hrs | Estimated start date | Estimated complete date | Actual start date | Actual complete date | Assigned to | Done by |
| 1 | Plan, organize, control | 2 | 2.5 | Oct 19th | Oct 19th | Oct 19th | Oct 19th | Everyone | Everyone |
| 1.1 | Github repository | .5 | .5 | Oct 19th | Oct 19th | Oct 19th | Oct 19th | Everyone | Everyone |
| 1.2 | Work breakdown and assignment | 1.5 | 2 | Oct 19th | Oct 19th | Oct 19th | Oct 19th | Everyone | Everyone |
| 2 | Decide SDLC | 1 | 1.5 | Oct 20st | Oct 20st | Oct 23rd | Oct 23rd | Everyone | Everyone |
| 2.1 | Choose structure type | 0.75 | 0.75 | Oct 23rd | Oct 23rd | Oct 24th | Oct 24th | Everyone | Everyone |
| 2.2 | Review roles | 0.25 | 0.5 | Oct 23rd | Oct 23rd | Oct 24th | Oct 24th | Everyone | Everyone |
| 3 | Software design | 4 | 4.5 | Oct 24th | Oct 24th | Oct 24th | Oct 24th | KTT | KTT |
| 3.1 | Decide on software | 0.5 | 0.5 | Oct 24th | Oct 24th | Oct 24th | Oct 24th | KTT | KTT |
| 3.2 | Decide on chatbot’s role and conversation topics | 1 | 1 | Oct 24th | Oct 24th | Oct 24th | Oct 24th | KTT and AK | KTT and AK |
| 3.3 | Code and create chatbot | 2.5 | 3 | Oct 25th | Oct 25th | Oct 25th | Oct 25th | KTT | KTT |
| 4 | Chatbot testing and refinement | 3 | 4 | Oct 27th | Oct 27th | Oct 27th | Oct 27th | KTT | KTT |
| 5 | Chatbot presentation | 5-6 | 8 | Oct 29th | Oct 29th | Oct 29th | Oct 29th | Kexin, acv | Kexin, acv |