Sprint 3 Report

Synthura

6/3/2024

Actions to STOP Doing

- Leaving the group clueless about your progress
    - This is a significant problem, especially in the last sprint of the quarter. Not communicating when the group asks about progress is not work efficient and drays progress by a lot. This also places uncertainty on the people working on the project and gives them extra stress in implementing features that were supposed to be the missing person's job.

Actions to START Doing

- Meeting every day at 2:30 pm through the last week
    - Since there are a few days from the project's deadline, meeting every day to track progress is time and work-efficient. This is also beneficial for preparing for the final presentations and demos.

Actions to KEEP Doing

- Maintaining a clean code base
    - Branch names clearly define their purpose and are merged into the main source code. Additionally, the source code is well-documented, easy to read, and, most importantly, easy to understand.
- Show mini-demos of features
    - To track progress and take inspiration, features should be showcased to the group after they are implemented. This will place certainty in the group that work is being done.

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Work Completed/Not Completed

Completed:

User Story #1: As a security guard, I want access to an advanced information feed that identifies dangerous objects in real time when I'm monitoring my cameras. [8 points]
- Create algorithms to detect potentially dangerous situations and objects [8 hours]
- Create APIS that helps with uploading the recordings from the clusters to the database and downloading the recordings from the database to the recordings page [6 hours]

User Story #2: As a general user, I want each page to have an updated UI with finalized functionality. [5 points]
- Enhance the UI functionality of the landing page to include options for linking to the recordings page and saving recordings to the database. [4 hours]
- Provide analytics of the streaming videos that give information about dangerous objects and environments. [6 hours]

Not Completed:

User Story #3: As a general user, I want access to user authentication in order to have my own

personalized experience [5 points]

- Implement the user login page [3 hours]

- Add functionality to user authentication that interacts with the frontend and the database

  [3 hours]

Work Completion Rate

- User Stories Completed: 2

- Ideal Work Hours Completed: 24

- Total Number of Days:

  - Sprint 1: 16 days

  - Sprint 2: 14 days

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6/3/2024

- ● Sprint 3: 14 days

- ● Sprint 4: 14 days

- ● Total: 58 days

- User Stories/Day and Work Hours/Day

  - ● Sprint 1: 1/8 user stories a day, 1 work hours a day

  - ● Sprint 2: 1/14 user stories a day, 9/7 work hours a day

  - ● Sprint 3: 1/14 user stories a day, 2 work hours a day

  - ● Sprint 4: 1/7 user stories a day, 4 work hours a day

- Average User Stories/Day and Work Hours/Day

  - ● ~1/10 user stories a day, 2 work hours a day

- Final Burnup Chart:

Final Burnup Chart