Weekly Team Task Report

Team:	HomeAide		Date:	Mar 01, 2021

Project Title: AT@ Home: An automated advisor for assistive technologies

	Seth Borkovec Present On-time		**Courtney Richmond** Present On-time		**Noah Baxter** Present On-time		**Ethan Donnelly** Present On-time

Recent Meetings:

- Client Meeting: Thursday, 02/25/2021, 15:00 PM - 15:55 PM
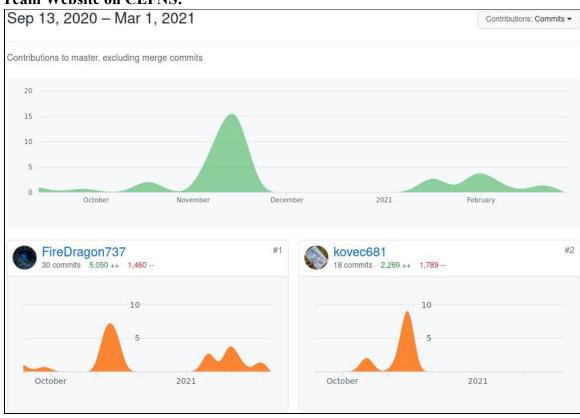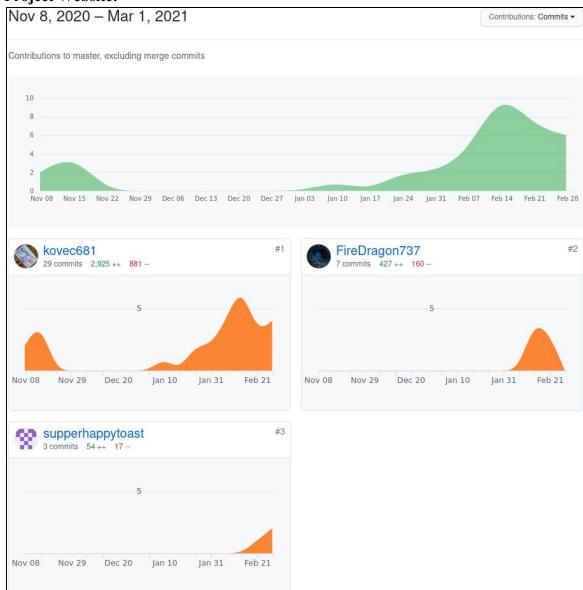- Team Meeting: Friday, 02/28/2021, 18:45 PM - 20:45 PM

Gantt Chart:

GitHub commit statistics:

Team Member	GitHub Username
Seth	kovec681
Courtney	FireDragon737
Ethan	EDonnelly24
Noah	supperhappytoast

Team Website on CEFNS:

Project Website:

Nov 8, 2020 – Mar 1, 2021

Contributions to master, excluding merge commits

kovec681 #1
29 commits 2,925 ++ 881 --

FireDragon737 #2
7 commits 427 ++ 160 --

supperhappytoast #3
3 commits 54 ++ 17 --

Mobile App:

TASKS COMPLETED since last meeting:

Task Title: Coding: Room Interface	Task Initiation: 02/12/2021	Orig. Due Date: 02/18/2021 @ Midnight	Status: 100%
Who (%): Ethan 100%			
Description: Implement the room interface navigation in the mobile app per the Design document.			
Expected Outcome: The app should have an interface to navigate the different rooms of a virtual house.			

Task Title: DR2: Record Individual Video Segments	Task Initiation: 02/12/2021	Orig. Due Date: 02/22/2021 @ Midnight	Status: 100%
Who (%): Ethan: Introduction, Conclusion, Noah: Solution Overview, Challenges and Resolutions Courtney: Implementation Overview, Schedule Seth: Problem Statement, Architecture Overview			
Description: Record your individual segments of the presentation as a video per the Capstone instructions. It is recommended to use a private Zoom meeting room and leave a couple seconds pause before and after you speak.			
Expected Outcome: Each video segment will be uploaded to the team Google Drive. Each video should look professional with no extra noises (for instance from a messaging app), no unprofessional objects in the background, and proper lighting. Having a pause before and after speaking helps with splicing the videos together. Individual videos should be recorded without the slides.			

Task Title: UGRADS Registration	Task Initiation: 02/12/2021	Orig. Due Date: 02/24/2021 @ 15:00	Status: 100%
Who (%): Seth 100%			
Description: Register our team for the UGRADS Symposium including writing a title and abstract.			
Expected Outcome: The registration process should be completed using a title and abstract that was reviewed by the team mentor.			

Task Title: Design Review 2	Task Initiation: 02/15/2021	Orig. Due Date: 02/26/2021 @ 3:00 PM	Status: 100%
Who (%): Ethan 100%			
Description: The completed DR2 video following the instructions for Capstone. The individual video segments will have already been recorded without the slides. These video segments need to be stitched together with the slides for one complete video.			
Expected Outcome: The completed DR2 video has the slides as the main focus with the speakers as insets. This video is uploaded to Youtube as an unlisted video.			

This week's Tasks: Work plan for coming week

Task Title: Coding: Recommendation Algorithm	Task Initiation: 02/15/2021	Orig. Due Date: 03/06/2021 @ Midnight	Status: 70%
Who (%): Seth 100%			
Description: The recommendation algorithm needs to span the app and the website. The app should provide a room or room object, and limitations, and send these to the website. The website should use the criteria to search the database using the search feature and aggregate a list of results. These results should be returned to the app to be displayed.			
Expected Outcome: When selecting a room or room object in the app, the request for associated AT devices to recommend should be returned by the server as a JSON object.			

Task Title: Coding: Display Recommendations	Task Initiation: 02/15/2021	Orig. Due Date: 03/08/2021 @ Midnight	Status: 75%
Who (%): Ethan 50% Seth 50%			
Description: The results from the recommendation algorithm should be displayed to the user on the app.			
Expected Outcome: The results of the recommendation algorithm are returned as a JSON object. Each result in this JSON should be shown to the user in a separate view as a list. Clicking on a result should show more details about that AT device. Need to also have a button to add that AT device to the user's favorites, and show the relevance rating for each device in the recommendations list. Also needs a button to share recommendations with local resources.			

Task Title: Coding: Security	Task Initiation: 03/01/2021	Orig. Due Date: 03/08/2021 @ Midnight	Status: 25%
Who (%): Courtney 100%			
Description: Implement encryption of sensitive data in database and plan for database backup/restoration.			
Expected Outcome: Admin username are actually email addresses and need to be encrypted when saved. App username and password needs to be encrypted when saved and decrypted for user app login. Need an automated script to make backups of the database via CRONTAB. Need a script to easily restore a backup of a database.			

Task Title: Coding: Accessibility	Task Initiation: 03/01/2021	Orig. Due Date: 03/08/2021 @ Midnight	Status: 0%
Who (%): Ethan 100%			
Description: App needs accessibility options for large fonts, text-to-speech, speech-to-text, and different color themes.			
Expected Outcome: App forwards user to the OS's accessibility settings for large fonts, text-to-speech. Speech-to-text depends on the user having this functionality on their phone's on-screen keyboard. To accommodate various color blindness, the app needs to provide different color themes for the user to select in their profile.			

Task Title: Coding: User Feedback	Task Initiation: 03/01/2021	Orig. Due Date: 03/08/2021 @ Midnight	Status: 0%
Who (%): Ethan 50% Seth 50%			
Description: App needs to provide a way for the user to suggest AT devices that are not in the inventory.			
Expected Outcome: In the recommendations results view, there is a button for the user to click that opens a new view. This new view has fields for the new AT device name, description, and URL. This recommendation is then saved in a table on the server for the admins to review.			

Task Title: Coding: Admin Surveys	Task Initiation: 03/01/2021	Orig. Due Date: 03/08/2021 @ Midnight	Status: 20%
Who (%): Ethan 50% Seth 50%			
Description: Admins can send Qualtrics surveys to the user by making an entry in the database using the website.			
Expected Outcome: Admin enters a new survey in the admin website with a URL to the Qualtrics survey. When the app checks the database and finds a survey, it makes it available to the user along with the admin messages. When the user clicks on the link provided, it opens a browser on the user's device to complete the survey.			

Task Title: DR2 Group Review Task	Task Initiation: 02/28/2021	Orig. Due Date: 03/05/2021 @ Noon	Status: 0%
Who (%): Each team member 25% (team task)			
Description: The team needs to review the DR2 presentations for teams Fridgefiller and GlaciesIndicium.			
Expected Outcome: Each team member should review the two teams' DR2 video presentations alone. Then we meet as a team on Tuesday to create the reviews as a team to submit for grading.			

Upcoming Tasks: Planning

Task Title: Peer Eval 2	Who (%): Team 100%	Rough Due Date: 03/12/2021
Description: The second peer evaluation for this semester.		

Task Title: Full Prototype Tech Demo	Who (%): Team 100%	Rough Due Date: 03/15/2021
Description: The team performs a tech demo for the alpha prototype to show that it satisfies all functional requirements.		

Other Problems / Other Issues:

- We did inventory on our functional requirements and found out that we have a lot more work left to do before the prototype demo is ready than we thought.