Blueatt

Team 35 - Sprint 2 Overview

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Sprint Overview

For sprint 2 our main goal is to make sure that all user stories from sprint 1 and for sprint 2 are finished and working completely. In sprint 1 we ran out of time and were only able to finish the user stories in chunks and didn't merge all the parts to have a completely working user story. In this sprint we want to avoid that problem by having more time appropriate user stories that can be finished completely.

Scrum Master: Justin Boudreau
Meeting plan: Sundays & Wednesdays: 6-9pm

Risks and challenges

Our main challenge is figuring out which bluetooth library to use and getting it to work properly and implemented in our project. In order to have our software working as intended we need to invest more time than we thought to get it to work.

Current Sprint Detail

User Story #1

As a developer, I would like to store student information securely

#	Description	Time	Owner
1	Enter student information through UI.	4	Moon sun
2	Make sure the information is stored in database.	3	Shulin

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given the students information, the UI should display what's been entered.
2. Given successful UI input, check if the data shows in the database.
3. Given data shows in the database, check if the data is the same as the original input.

User Story #2

As a student, I would like to use general bluetooth devices to connect to the scanner

#	Description	Time	Owner
1	Research a bluetooth library to implement	3	Shulin
2	Create method to scan for bluetooth devices despite which type of device	4	Michael

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given a user's device, the scanner scans for the device successfully.
2. Given the scanners feedback, the device bluetooth ID is record for attendance
3. Given the list of scanned devices, the attendance is properly taken for the course

User Story #3

As a student, I would like to have my attendance taken just by bringing bluetooth device

#	Description	Time	Owner
1	Implement bluetooth scanning method	5	Shulin
2	Compare scanned devices with roster's device IDs	4	Shulin
3	Add attendance record for that date to the database	3	Justin

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given a student brings a device within range of the scanner, the device will be recorded
2. Given a student doesn't have a device within range, the attendance will not be taken
3. Given a student's attendance, the database accurately records the information

User Story #4

As a student, I would like to register my bluetooth device for my Purdue username via phone app

#	Description	Time	Owner
1	Create UI for student to register a new bluetooth device via phone app	4	Moon sun
2	Implement database to add the new bluetooth device to the system	4	Justin

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given the UI is correctly implemented, the student will be able to select option to register his or her bluetooth device for Purdue username via phone app.
2. The system should be able to get user's attempt to register the bluetooth device, and link UI with the database.
3. Given that the database works correctly, the program will successfully add the new bluetooth device to the system data.

User Story #5

As a student, I would like to register a new device to my same Purdue username if I get a new device

#	Description	Time	Owner
1	Create UI for student to add a new bluetooth device to existing Purdue username account	4	Moon sun
2	Implement database to add another bluetooth device to the system	3	Justin

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given the correct username, check if the student's devices number is over the limit.
2. Given the condition that student has room for a new device, add new device to the UI.
3. Given the condition that student has room for a new device, add new device to the database.

User Story #6

As a student, I would like to receive a notification that my attendance has been recorded

#	Description	Time	Owner
1	When attendance recording ends, the system should check if the	3	Michael

	attendance has been recorded successfully or not.		
2	The system should send the result whether the attendance has been recorded	4	Michael
3	Create UI for a student to receive a notification whether the attendance has been recorded.	5	Moon sun

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given that the attendance recording ended, the system should check whether the attendance has been recorded successfully.
2. Given the condition that the attendance recording occurred without error, the system should indicate that the attendance has been recorded.
3. Given that the attendance has been recorded well, UI should notify a student that the attendance has been successfully recorded.

User Story #7

As a student, I would like to see my attendance trends and historical data

#	Description	Time	Owner
1	Create UI for student to select option to see their attendance trend and historical data	4	Moon sun
2	The system should get the attendance trends and historical data of a specific student from the database query	4	Justin
3	Create UI to display attendance trends and historical data to the student	7	Moon sun

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given a student selects attendance trend in the UI, the UI outputs accurate information
2. Given a student's username, the program correctly retrieve the attendance record of the student
3. Given the attendance record, the data is properly displayed in the UI

User Story #8

As a developer, I would like to get user feedback

#	Description	Time	Owner

1	Have a place in UI to let the user enter the feedback.	3	Moon sun
2	Have place to record those information in the backend.	4	Michael
3	Display message via UI to the student that the feedback was successfully submitted	4	Moon sun

Testing: use test data to make sure the functions have expected outputs.

Acceptance Criteria:

1. Given a student has feedback, the UI allows for them to send message for improvements.
2. Given a student's feedback, the program saves the information to be reviewed.
3. Given the condition that the student's feedback has been successfully saved, notify via UI that the student's feedback was submitted

(a) List all user stories to be implemented in this sprint.
(b) Add multiple well-defined, self-contained tasks for each user story that you listed.
(c) Ensure to include "testing" or "unit tests" task for each appropriate user story.
(d) Add a description for each task, and clearly state which team member is assigned to the task and its workload estimation (in work hours - make sure to distribute the total workload evenly among team members!). Task description should be clear.
(e) Add THREE or more detailed acceptance criteria which defines the set of conditions or statements in order for a user story to be accepted. Using "Given (some precondition) When (I do some action) Then (I expect some result)." format is strongly recommended. Typical number of successful, good acceptance criteria is about five.

Backlog

~~1. As an instructor, I would like to store student's information in the software~~
~~2. As an instructor, I would like to get a quick reading of student attendance~~
~~3. As an instructor, I would like to select which class is in session~~
~~4. As an instructor, I would like to connect the scanner to a computer quickly~~
~~5. As an instructor, I would like to select the intervals to periodically check for bluetooth signals~~
~~6. As an instructor, I would like to view the percentage of attendance of each lecture~~
~~7. As an instructor, I would like to select the way to get the information, such as emails or instant report~~
~~8. As an instructor, I would like to view the tendency of a student's attendance during the semester graphically~~
~~9. As an instructor, I would like to get notifications on if the scan is successful or not~~

~~10. As an instructor, I would like to only receive information on students in the class~~
~~11. As an instructor, I would like to manually add/delete/modify student's attendance~~
~~12. As an instructor, I would like to be able to add or remove a student from a class~~
~~13. As an instructor, I would like to be able to edit student's information if necessary~~
14. If time permits, as an instructor, I would like to allow software to scan automatically at a given time everyday
~~15. As a student, I would like to use general bluetooth devices to connect to the scanner~~
~~16. As a student, I would like to have my attendance taken just by bringing bluetooth device~~
~~17. As a student, I would like to register my bluetooth device for my Purdue username via phone app~~
~~18. As a student, I would like to register a new device to my same Purdue username if I get a new device~~
~~19. As a student, I would like to receive a notification that my attendance has been recorded~~
~~20. As a student, I would like to, see my attendance trends and historical data~~
21. If time permits, as a student, I would like to use fingerprint as authentication of attendance
22. If time permits, as a student, I would like to create app that turns on bluetooth based on time and location
~~23. As a developer, I would like to get user feedback~~
~~24. As a developer, I would like to store student information securely~~
25. If time permits, as a developer, I would like to handle troubleshooting