Software Development Report for CSCB07

Group 26 Member and General Task

Conrad Mo : Backend & Database
Fauzan Ibrahim Zakaria : UI/UX design, Frontend
Ivy Chen : UI/UX design, Frontend
Jason Widjaja : Scrum Master, UI/UX design, Frontend
Nitanon Rachapradit (Ark) : Version Control and Frontend
Xinge (Sigmund) Wang : UI/UX design, Frontend

Scrum Schedule and Communication

Sprint 1

Starting date   : November 7th, 2023
End date   : November 18th, 2023
Standup Meeting   :
- November 7th, 2023
- November 11th, 2023
- November 14th, 2023
- November 18h, 2023 (End of Sprint, retrospective meeting)

Sprint 2

Starting date   : November 18th, 2023
End date   : November 28th, 2023
Standup Meeting   :
- November 18th, 2023
- November 21st, 2023
- November 25th, 2023
- November 28th, 2023 (End of Sprint, retrospective meeting)

Sprint 3

Starting date   : November 28th, 2023
End date   : December 4th, 2023
Standup Meeting   :
- November 28th, 2023
- December 2nd, 2023
- December 4th, 2023 (End of Sprint, retrospective meeting)

Group Member Task Distribution in Each Sprint

	Sprint 1 (7/11/23 - 18/11/23)	Sprint 2 (18/11/23 - 28/11/23)	Sprint 3 (28/11/23 - 4/12/23)
Conrad Mo	- Set up Firestore database - Set up User Authentication - Create Users functionality	- Create user story 1, 3, 4, 7, 8, 9, 10 functionality	- Make firebase functionality and for retrieving data - Complete software backend for all user story
Fauzan Ibrahim Zakaria	- Create figma design for user story 3, 10 - Make XML file for user story 1, 3	- Make XML file for user story 10 - Make Java file for User Story 1 and connect it to firebase	- Make Java file for User Story 10 and connect it to firebase - Fix bug and make adjustment for User Story 1 layout and reconnect it on the app
Ivy Chen	- Create Figma design for user story 2 - Make XML file for user story 2 - Create user story 2 functionality	- Create Figma design and XML file for user story 9 - Fix bug on user story 2 functionality	- Find bugs in our app and write them out in this document - Fix layout issues to make it responsive - Create XML file and java files for user story 8
Jason Widjaja	- Set up Jira - Create Figma design for user story 1, 2, 4 & 8	- Create Figma design for user story 7	- Make XML and Java file for User Story 7 and connect it to firebase

Nitanon Rachapradit	- Set up Project code and boilerplate for Presenter and Model - Create sample code to help verify the template on Firebase. - Provide testing codes. - Work on merging, reviewing, testing and bug fix	- Work on app activity/Java file between each user story/fragment - Work on merging, reviewing, testing and bug fix	- Work on merging, reviewing and bug fix - Connect backend and front end
Xinge (Sigmund) Wang	- Create Figma design for user story 1, 4, 5, & 6 - Create XML file for student dashboard & user story 4 and 9 - Created color themes, basic drawable files of buttons.	- Create XML file for user story 5, 6, 9; implemented admin dashboard, - Added Java code for user story 5, 9, assisted story 6.	- Fix most of the layout files to make them look consistent, and delete unnecessary files. - Fix bugs in front-end (scroll, misclicking in dashboard, minor optimization) - Implemented MVP to the login java files. - Linked dashboard announcements to Firebase

Sprint 1 Meeting Notes

Meeting 1

Date   : November 7th, 2023
Attendance   : Ivy, Conrad, Fauzan, Sigmund, Jason, Ark

Until the next meeting: Finish Most of the Designing and Set-up
Done:
- Group chat setup.
- Google doc setup.
- Figma setup.
- Repository on GitHub setup.

Task until next stand up meeting:
> Conrad: Firebase set-up (link firebase + set up db structure + streamline query for other devs)
> Jason: Set up Jira.
> Jason and Sigmund: Figma Designed before Saturday, done 1 and 4
> Jason: story 2, 3, and 8
> Sigmund: story 5, 6, 7, 9, 10
> Ark: Project setup

Sub-meeting 1

Date   : November 8th, 2023
Attendance   : Jason and Sigmund

Notes on Design:
- Navbar is on the top, with home/dashboard, POSt, and complaint.
- Complaint, Feedback, and Comment are separated things
- Rating and Comment are separated.
- No forgot passwords for now.
- RSVP on click, directly linked to the event page.
- Q2 pops up on the same page after choosing Q1.

Notes on Database/app flow:
- User: Email| Preferred Name/Username | Password | Admin(boolean)
- UserPOSt: Major/field | List[CSCA08, MATA31, CSCB67(how to not display for STATS students), CSCA48(how to not display for MATH and STATS students), MATA22, MATA37]

- Announcements: Announcementid | Announce AnnouncementName | AnnouncementContent
- Events: Eventid | Creatorid | Capacity | Date | EventName | Place | EventRating (list) | EventContent
- Comment/Feedback: Commentid/Feedbackid | UTORid | Eventid | Rating
- Complaints: Username | CompaintContent

Meeting 2

Date   : November 11th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzen, Sigmund

Notes :
- Went over the figma design for student dashboard + made some edits
- Ark talks about what he's done since last meeting
    - Made some templates for the user story pages
    - Explained the layout of the login page
- One person to a user story instead of two
- Delegate tasks (see below)
- Conrad shows what he's done with Firebase
- Share emails for everyone to access firebase
    - Specifically Ivy, Sigmund, Fauzen

Done:
- Ark : Boilerplates
- Sigmund and Jason : Basic Figma Design
- Conrad : Firebase set up

Task until next stand up meeting:
- Conrad : Database + User authentication
- Sigmund : Coding design for admin page
- Fauzan : Login Page, Complaint page
- Ivy : POSt Req

Meeting 3

Date   : November 14th, 2023
Attendance   : Ivy, Conrad, Fauzan, Sigmund, Jason

Notes
- Went over general and private contributions with the TA.

Done:
- Jason:
  - Created Jira
- Conrad:
  - Created users.
- Ark:
  - Created sample code to help verify the template on Firebase.
  - Provided testing codes.
- Sigmund:
  - Created Announcement.
  - Working on the dashboard page
- Ivy:
  - Worked on Figma layout for POSt requirement.

Task until next stand up meeting:
Same remains

Meeting 4 (End of Sprint, retrospective meeting)

Date   : November 18th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Notes:
- Wrapping up sprint 1
- Evaluation for Sprint 1:
  - Development progress a little bit slow with inconsistency of layout and design

Done:
- Conrad
  - User authentication.
- Ark
  - Combined code, reviewed, and tested it.
- Ivy
  - Done with quiz functionality.
- Sig
  - Done with dashboard and event layouts.
- Jason
  - Done with figma design for POSt eligibility.

Fauzan
- Done with login and complaint layouts.

Sprint 2 Meeting Notes

Meeting 1

Date   : November 18th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Task until next stand up meeting:
Conrad
- Finished up firebase for complaints, announcement, and dashboard page.
Ark
- Prewrite templates for more fragments.
- Integrate the login and complaint layouts to the backend.
Ivy
- Fix the UI for quiz - change the figma design.
- Figma design for event page.
Sig
- Responsive design - link layout to logic.
- Design user story 9, Front end page. (Ark for the linking)
Jason
- Announcement page layout.
Fauzan
- Figma design and layout for complaint page.

Meeting 2

Date   : November 21st, 2023
Attendance : Fauzan, Ivy, Conrad, and Jason (Sigmund ill at doctor's)

Notes:
1. Vincent went over the group and individual contributions in the tutorial.
2. The group just realized that we're only evaluating CS POSt eligibility.

Done:
    Fauzan:
        - Start to work on the admin's complaint page layout.
    Ivy:
        - Finished admin's event page Figma design.
        - Finished the POSt eligibility page on the Android app.
    Jason:
        - Finished admin's announcement page Figma design.

Task until next stand up meeting:
Same remains.

Meeting 3

Date   : November 25th, 2023
Attendance : Fauzan, Ivy, Conrad, Sigmund, Ark and Jason

Note:
    - Admin navbar content: Student Complaint | Make Event | Make announcement
    - Prioritizing MVN for the app until end of sprint
Done:
    Sigmund:
        - Finished menu and sidebar design
        - Added adapter to main page to direct to event pages
        - Added event statics for place-holder
        - Created Admin Page
    Fauzan:
        - Finished layout for admin complaint page
    Ark:
        - Started linking the student pages together.
    Conrad:
        - Finished posting announcements, events and complaints
    Ivy:
        - Fix bug in POSt requirement

Task until next stand up meeting:
      Ark:
- Continue linking the student pages together.
      Sigmund:
- Event page comments, (post rating), Event page stats, Admin Dashboard.
      Conrad:
- Working on retrieving data such as announcements, events, and complaints
      Ivy:
- Create "create event page admin" page.
      Fauzan:
- Connect admin complaint with firebase

Meeting 4 (End of Sprint, retrospective meeting)

Date   : November 28th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Notes:
- Wrapping up sprint 2

Done:
      Conrad
- Done with retrieving data.
      Ark
- Merge and bug fix.
      Ivy
- Created "create admin page" admin.
      Sigmund
- Event Admin page finishes, Admin Dashboard finishes, Student Dashboard Post Comments Correctly.

Sprint 3 Meeting Notes

Meeting 1

Date   : November 28th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Need to be done:
Same remains.

Meeting 2

Date   : December 2nd, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Until the next meeting:

Done:
Sigmund
- Fixed most of the layout files to make them look consistent
- Fixing bugs in front-end (scroll, misclicking in dashboard, minor optimization)
- Implement MVP to the login java files.
Ivy
- Find bugs in our app and write them out in this document
- Fix layout issues to make it responsive
Conrad
- Finish backend completely
Ark
- Merge branches
- Fix bugs
- Help
- Connect backend and front end
Jason
- Create announcement page, connected to backend
Fauzan
- Connect admin complaint with firebase
- Finished complaint page for admin and student
- Made adjustment for login and register layout and reconnect it on the app

Need to be done:

- Connecting Announcement with backend (Sigmund)
- Change all UtorID to username (Admin view Complaints)
- JUnit testing
- Mockito

Meeting 3 (End of Sprint, retrospective meeting)

Date   : December 4th, 2023
Attendance   : Ivy, Conrad, Ark, Fauzan, Sigmund, and Jason

Notes:
- Wrapping up sprint 3
- Going through the app for finalization
- Going through report for finalization

Done:
      Ark and Conrad:
- JUnit testing
- Mockito

      Sigmund:
- Connecting Announcement with backend
- In app text consistency fix

Testing and Bugs log

App Testing period : Sprint 3 (28/11/23 - 4/12/23)

High Priority (app crashes)
- Log in and Sign up Bug:
  - If you click sign in without typing anything, app crashes
  - If you sign up with a preexisting account, app crashes
  - If you sign up without filling out any fields, app crashes

Medium Priority
- Log in and Sign up Bug:
  - Students can sign in as admin
  - Signup needs regular expression for valid email
  - Sign up /Sign in errors (ie, wrong password etc)
  - Terms and Condition check for register
  - Logout functionality
- Layout and Navigation bug and Text consistency fix:
  - Fix scroll view + layout
  - Navigation bar label and

- Back button didn't work
- Comment and event registration bug:
    - If you leave a comment without rating, the automatic rating is 4 stars
    - After posting comments as a student, it's automatically unRSVPed.

Links

Scrum Management and Backlog : [Jira](#)
Database   : [Firebase](#)
Software Code   : [Github](#)
Design   : [Figma](#)