Team Name: MyMcGill-Mobile

Group Members

Shabbbir Hussain	260477522
Ryan Singzon	260397455
Joshua David Alfaro	260480865
Rafi Uddin	260475433
Nhat-Quang Dao	260457711
Omar Gonzalez Delgado	260427991
Gabriel Petrella	260367122
Julien Guerinet	260413766

Project Description

Our project will be a mobile application that will allow students to access their myMcgill account. Users will be able to login to their myMcgill account and view a condensed version of their myMcgill portal. Students will have access to their schedule, transcript, myCourses and McGill email. The application will also send out notifications when assignments are posted as well as a reminder for when they are due. We will be developing the mobile application primarily with the Android SDK.

User Stories List

1. Login to myMcGill, show proof
2. View desktop site
3. View student records
4. Email
5. myCourses

(optional)
6. Add/drop courses
7. Save CRNs for courses
8. Notifications
9. Library
10. myFuture
11. Register mobile device
12. Settings
13. Change myMcGill password

Project Plan for Sprint 1
Setup Code Repository
Add all members to the Repository
Create software architecture
1. Login to myMcGill, show proof of login
2. View desktop site
3. View student records
       -View schedule
       -View transcript
       -e-bill

User Stories

1. McGill University students can Login to their myMcGill portal	
Normal flow	1. The McGill University student enters their mcgill email address and password to enter their myMcGill portal 2. The student is then taken to the home menu of the app
Alternate flow	1. The user who has already logged in and has chosen to save their credentials will log into their myMcGill portal directly without being prompted for their McGill email address and password
Error Flow	1. The user enters the incorrect email or enters the incorrect password 2. The student is shown the login page again with the appropriate error message

2. McGill University Student can view the desktop version of their myMcGill portal	
Normal flow	1. The user student selects "View myMcGill in Browser" from the home menu
Alternate flow	1. The user directly visits their myMcGill page from their phone's browser 2. The user logs into their myMcGill account with their credentials.
Error Flow	1. The user student selects another option

3a. View Transcript	
Normal flow	1. The user selects "View my Transcript" from the home menu 2. The user's transcript is retrieved and displayed in a mobile-optimized design
Alternate flow	1. The user selects "View myMcGill in Browser" from the home menu 2. The user is brought to the myMcGill page on their internet browser 3. The user selects "View My Unofficial Transcript" 4. McGill's default transcript page with the user's transcript is loaded
Error Flow	1. The myMcGill Mobile App is opened 2. The user clicks on any other button than "View myMcGill in Browser" or "View my Transcript" 3. The user is redirected to a cached version of their transcript

3b. View Schedule	
Normal flow	1. The user selects "View my Schedule" 2. The user's schedule is retrieved and displayed in a mobile-optimized design
Alternate flow	1. The user selects "View myMcGill in Browser" 2. The user is brought to the myMcGill page on their internet browser 3. The user selects "This Week's Schedule" 4. McGill's default schedule page with the user's schedule is loaded
Error Flow	1. The myMcGill Mobile App is opened 2. The user clicks on any other button than "View myMcGill in Browser" or "View my Schedule" 3. The user is redirected to a cached version of their schedule

3c. View E-bill	
Normal flow	1. The user selected "View my e-Bill" 2. The user's e-bill is retrieved and displayed in a mobile-optimized design
Alternate flow	1. The user selected "View myMcGill in Browser" 2. The user is brought to the myMcGill page on their internet browser 3. The user selects "View e-Bill" 4. McGill's default e-bill page with the user's e-bill is loaded
Error Flow	1. The myMcGill Mobile App is opened 2. The user clicks on any other button than "View myMcGill in Browser" or "View my e-Bill" 3. The user is redirected to a cached version of their e-bill

4. Email	
Normal flow	1. The user clicks on the email button on the home menu of the app which opens their email account formatted for mobile devices
Alternate flow	1. The user opens the app after it was closed on the email section 2. The email is refreshed upon opening
Error Flow	1. The user changes his credentials on the desktop site while the app was closed on the email section 2. The user opens the app to see the email, but the app exits to the login page upon detection of incorrect credentials

5. myCourses	
Normal flow	1. The user selects myCourses from the home menu 2. The myCourses mobile webpage is loaded
Alternate flow	1. The user selects "View myMcGill in browser" button from the home menu 2. The user is brought to the myMcGill webpage on their default phone browser 3. The user selects myCourses 4. The myCourses mobile webpage is loaded
Error Flow	1. The myMcGill Mobile app is opened 2. The user has successfully logged in 3. The user selects "View Email" 4. The user's McGill email is loaded 5. The user is unable to access the myCourses page 6. An error message is displayed

6.1 Add courses	
Normal flow	1. User pastes CRN from wish list 2. User's course prerequisites and corequisites are verified 3. System registers user to course list and adds course to user's list of registered courses
Alternate flow	1. User enters CRN manually 2. User satisfies requirements of the course 3. System registers user to course and adds course to user's list
Error Flow	1. User enters invalid CRN 2. User does not satisfy requirements to register for the course 3. Course list is full 4. User is already registered for the course 5. User has already passed the course

6.2 Drop courses	
Normal flow	1. User selects courses to be removed 2. No remaining courses have the removed courses as requirements 3. System removes user from course list and removes course from user's list
Alternate flow	1. User selects courses to be removed 2. At least one remaining course has at least one removed course as requirements 3. System displays a warning that another course has the removed course as a co-requisite and both of the courses will be removed from the user's list 4. System removes user from both course lists and removes both courses from user's list
Error Flow	1. No courses are selected

7. Save CRNs for courses	
Normal flow	1. User searches for courses on the registration section 2. User finds a class in which they may want to register 3. User clicks on a button labeled "Save class" 4. The class and its CRN will be found in a separate section, as well as in the quick add/drop section to facilitate registering for classes
Alternate flow	1. The user knows the CRN of their class 2. The CRN is input manually in the saved classes section, where it appears alongside the differently added courses
Error Flow	1. The user inputs a CRN that does not belong to any class 2. The app rejects the addition of the class

8a. Toggle Notifications	
Normal flow	1. User logs in 2. User selects "Notifications" 3. User checks/unchecks different notifications 4. User selects "Save Changes & Quit"
Alternate flow	N/A
Error Flow	See Error Flow of User Story 1 1. User logs in 2. User selects "Notifications" 3. User checks/unchecks different notifications 4. User selects "Cancel & Quit"

8b. Modify Notifications Polling Intervals	
Normal flow	1. User logs in 2. User selects "Notifications" 3. User selects "Modify Polling" 4. User selects interval amount 5. User selects "Save Changes & Quit"
Alternate flow	N/A
Error Flow	See Error Flow of User Story 1 1. User logs in 2. User selects "Notifications" 3. User selects "Modify Polling" 4. User selects interval amount. 5. User selects "Cancel & Quit"

9. Library	
Normal flow	1. User types in exact book title 2. System displays a list of books that have the specified title 3. User selects the desired book 4. System displays location of the book (shelf, floor, library)
Alternate flow	1. User types in partial phrase 2. System displays a list of books that contain the specified phrase 3. User selects the desired book 4. System displays location of the book (shelf, floor, library)
Error Flow	1. No book title contains the input strings 2. User enters invalid characters 3. No copies of the book are currently available

10. myFuture

Normal flow	1. The user selects myFuture from the home menu 2. The myFuture webpage is loaded
Alternate flow	1. The user selects "View myMcGill in browser" button 2. The user is brought to the myMcGill webpage on their phone browser 3. The user selects myFuture 4. The myFuture webpage is loaded
Error Flow	1. The myMcGill Mobile app is opened 2. The user has successfully logged in 3. The user selects "View Email" 4. The McGill Webmail page is loaded 5. The user is unable to access the myFuture page 6. An error message is displayed on screen

11. Registering a mobile device

Normal flow	1. From the home menu, the user selects the "Personal Records" tab 2. User selects mobile devices 3. User enters their mobile device number, the area code, and if applicable, the international Access Code 4. User selects the radio button labelled ANS Opt in and their mobile carrier 5. User selects the submit button
Alternate flow	1. The user registers their mobile device via their preferred mobile web browser
Error Flow	1. The user inputs incorrect credentials 2. The user is shown the login page again with the appropriate error message

11a. Unregister a mobile device	
Normal flow	1. User selects the "Personal Records" tab 2. User selects mobile devices 3. User selects the checkbox for the mobile devices they would like to unregister 4. User presses submit button
Alternate flow	1. User unregisters their mobile device similarly to the normal flow via their preferred mobile web browser
Error Flow	1. User does not have any mobile phones registered 2. An error indicating that no mobile phones are registered is displayed

12a. Settings: Toggle Auto-Login	
Normal flow	1. User logs in 2. User selects "Settings" 3. User selects "Auto-Login" 4. User checks/unchecks "On" box. 5. User selects "Save Changes & Quit"
Alternate flow	N/A
Error Flow	See Error Flow of User Story 1 1. User logs in 2. User selects "Settings" 3. User selects "Auto-Login" 4. User checks/unchecks "On" box 5. User selects "Cancel & Quit"

12b. Settings: Modify Application Theme

Normal flow	1. User logs in 2. User selects "Settings" 3. User selects "Theme" 4. User selects "Font" 5. User selects "Background Color" 6. User selects "Save Changes & Quit"
Alternate flow	1. User logs in 2. User selects "Settings" 3. User selects "Theme" 4. User selects "Font" 5. User selects "Background Color" 6. User selects "Apply"
Error Flow	See Error Flow of User Story 1 1. User logs in 2. User selects "Settings" 3. User selects "Theme" 4. User selects "Font" 5. User selects "Background Color" 6. User selects "Cancel & Quit"

12c. Settings: Access Privacy Policy

Normal flow	1. User logs in 2. User selects "Settings" 3. User selects "Read Privacy Policy"
Alternate flow	N/A
Error Flow	See Error Flow of User Story 1

13. Change myMcGill password

Normal flow	1. The users clicks on the "Change myMcGill password" button 2. User inputs a new password in two separate text boxes 3. User clicks on "Submit new password"
Alternate flow	N/A
Error Flow	1. The user submits two non matching passwords 2. The user submits a password that does not conform to McGill's restriction on passwords (not exactly 8 characters, with spaces or with single quotes)