

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

PAC Minutes

Mobile Applications Development

2022

Mobile Applications Development - PAC Minutes May 5, 2022

Gayle Horchover

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**School of Information Technology
Mobile Applications Development Program**

Program Advisory Committee Meeting

Meeting Minutes

May 5, 2022

Attendees:

Branch, Carlton – Race Roster

Delorey, Nancy - Academic Services Consultant

Horchover, Gayle - Assistant to the Associate Dean

Mubengayi, Lonji - Intellyon

Pierce, Mary - Dean, Faculty of Business, Information Technology and Part-time Studies

Sainani, Dev – Associate Dean, School of Information Technology and Part-time Studies

Seceanschi, Alex – Mobile Application Developer

St. Louis, Jennyfer - Professor

Wong, Lianne – Program Coordinator

Regrets:

Lan, Michael - TD

Scarfe, David - TD

Todd, Shannon – Program Manager

PROGRAM ADVISORY COMMITTEE AGENDA

Mobile Applications Development

Date: May 5, 2022
Time: 5:30 to 7:00 PM
Zoom Meeting

Time	Topic	Led by
5:00-5:15 p.m.	Welcome, Introductions, and Meeting Objectives	Lianne Wong
5:15-5:30 p.m.	Program updates and current items of interest <ul style="list-style-type: none"> • First 3 group of MAP students <ul style="list-style-type: none"> ○ 31, 39, 56 ○ India, Nepal, Sri Lanka, China, Vietnam • Skills needed for MAP graduates <ul style="list-style-type: none"> ○ Show program 3 levels • Curriculum changes • Most all students are working while going to school 	Lianne Wong
5:30-6:15 p.m.	Discussion <ul style="list-style-type: none"> • Items above • Technologies and/or directions for the program: What's going well? What should change? What should be added? • SwiftUI and Kotlin • Projects course, want to make sure that they go through agile • GIT, Gira handy to know, (1) bit bucket (3) Convolve (2) • Technical tests, • Release steps, Manage a release through the app store (alpha test and beta test) Requirements submissions and screen shots. Demo both in Android and iOS 	Panel & Coordinator

- Project management. What happens when you have to change your version of xcode, to get your code running
- Debugging skills, setting breakpoints.
- Testing different versions of operating systems. Testing as a whole, testing strategies, fundamentals, and then do it in the project.
- Data privacy, how to use permissions, Europe GDPR, can't send lat/lng coordinates to server, encoding user data, why what use is for. (Security course)
- Talk about the API (understanding how getting data in and out).
- Versioning GIT
- Remote work, not
- Authentication/LogIn (SSO)-OAuth integration
- Option Enterprise and security combined in 3rd

6:15-6:25 p.m.

Summary of Action Items

Lianne Wong

6:30 p.m.

Thank You and Closing Remarks

Lianne Wong

Welcome:

Lianne Wong welcomed everyone and outlined the purpose of the meeting. Our team is looking for feedback on how we can improve our program and better meet the needs of our employers.

Lianne provided an overview of the MAP Program, discussing intake levels each semester. There is currently a waiting list to enter the program. Most students are international and are computer science graduates from India, Mexico and China.

Discussion Questions:

1. Are the students meeting the needs of the employer? How is our curriculum?

Capstone Project: Project design and the development of a project, contained all in one term. This includes design, writing, coding and testing from start to end.

Use Agile in this? – Yes, we also use GIT

Project Work: The students should show team project skills and demonstrations of projects at an interview. The employer needs to see that the student can work as a team member while working on, for example coding, and remain part of a team.

2. Security – React native, Is that important?

Panel likes Native. There is a good spread.

Progressive Web Apps, what do you think? - Good for the student to know.

3. Machine Learning

The panel likes the outlay of the courses. They start with the fundamentals and end with the student seeing the “big picture”. The layout is good now, and no changes are needed.

4. Product Management

The process of keeping up with software updates is important to know for students.

Also: debugging skills, troubleshooting bugs and setting breaking points. If the students were familiar with testing, you could purposely break things, and then be required to write a code for data bases.

5. Permissions

Discussed privacy issues (GDPR).

6. Do students taking this course have a good handle on “End Points”?

Leanne pointed out the topics of Backends and demos in Firebase which are currently in the curriculum. The panel agreed Firebase is a good choice.

7. Should we move fundamental knowledge to an introductory course?

- a. No, just give the students an understanding of this.
- b. Teach this with GIT

8. In general, mostly all, or all MAP students are working. Leanne has a lot of students to get into co-op positions. It is “doable”, but not in London. Students may be required to work remotely.

9. LogIn Authentication; SSO Discussion:

Leanne added one week of this in an introductory class, should they spend more time on this topic? The panel concluded, “no”, the students should just understand.

10. Should we offer 2 Enterprises courses versus Security course?

Panel was 50/50. Security is important, but so is Authentication.

Recommendations:

- 1) How to “Release” and what steps are involved, should be included in the program.

Action Summary:

- 1) The panel would like GIRA (whole suite or just Bit Bucket), Confluence and Red Keeper included in the projects course.
- 2) Leanne will send Longi Mubengayi information on RIPEN.