

Milestone 2 Progress Evaluation

Project Title: TutorFIT: a mobile application connecting students and tutors at the Florida Institute of Technology

Team Members:

- Eleanor Barry – ebarry2022@my.fit.edu
- Sidney Nedd – snedd2020@my.fit.edu
- Samaher Damanhori – sdamanhori2020@my.fit.edu

Faculty Advisor:

- Khaled Salhoub - kslhoub@fit.edu

Client:

The clients of our app include Dr. Khaled Slhoub, a distinguished professor in the Department of Computer Engineering and Sciences, as well as students attending the Florida Institute of Technology.

Milestone 2 Progress Matrix

Task	Completion	Sidney	Samaher	Eleanor	To do
1. Resolve Technical Challenges	%100	33%	33%	33%	
2. User Registration					
- Implementation	100%	75%	25%	0%	
- Design	100%	0%	50%	50%	
- Testing	100%	50%	50%	0%	
- Demo	100%	50%	50%	0%	
3. Scheduling					
- Implementation	75%	50%	25%	0%	Configure Calendly API
- Design	100%	0%	50%	50%	
- Testing	100%	50%	50%	0%	
- Demo	100%	50%	50%	0%	

3. Ratings and Reviews					Feature needs to be implemented
- Implementation	10%	10%	0%	0%	
- Design	100%	50%	50%	0%	
- Testing	0%				
- Demo	0%				
4. Event Tracking	0%				

Discussion of each accomplished task (and obstacles) for the current Milestone:

1. Resolve Technical Challenges

Configuring our development environment, specifically Visual Studio for Xamarin using C#, proved to be a challenge for us. This difficulty primarily stemmed from our limited experience with this environment. Additionally, the live reload feature on the emulator initially posed some issues and did not function as expected. Currently, our testing is exclusively focused on the Android platform. To address the emulator-related problems, we have found ourselves frequently resorting to the workaround of uninstalling and then reinstalling the emulator to ensure its proper functionality. These challenges have certainly tested our patience, but we remain committed to overcoming them in pursuit of our development goals.

2. Implement, test & demo user registration

For the registration process, upon accessing the initial page, users are prompted to enter their names, email addresses, and set a secure password in the designated fields. For those who already possess an account, a simplified sign-in process has been incorporated, allowing them to enter just their email and password to gain access.

At present, we retrieve the list of courses directly from our database, enabling users to efficiently discover and add their courses through the convenient live search feature. During our demo, we will showcase the user-friendly interface, highlighting intuitive prompts and the flow from the registration page to the main dashboard.

3. Implement, test & demo scheduling

We have finalized the page designs for the scheduling feature, but we have not yet integrated them with the Calendly API. During our demo of this feature, we will showcase the anticipated functionality of the Calendly scheduling integration.

4. Implement, test & demo Student Ratings and Reviews

We have not yet implemented the Student Ratings and Review features in our platform due to constraints in terms of both time and our level of experience with the development framework. However, we have already designed the layout and user flow for the reviews page, catering to both students and tutors. As part of this upcoming feature, students will be able to access a dedicated 'reviews' tab where they can share their feedback and ratings for their past tutors. Tutors, on the other hand, will have the ability to view the reviews provided by their students.

5. Implement, test & demo event tracking

Due to the constraints we've encountered, such as time limitations and our initial learning curve with the framework, we were unable to implement event tracking as initially planned. Nevertheless, the past few weeks of working on this project have provided us with a more profound understanding of the framework and the overall development process. With this improved knowledge and experience, we are optimistic that our productivity and turnover rate will significantly improve as we move forward to the next milestone.

Discussion of contribution of each team member to the current Milestone:

Sidney Nedd:

Addressed technical challenges and played a significant role in implementing the user registration feature. This feature allows users to register by entering their names, email addresses, and passwords. For those with existing accounts, a simplified sign-in process was incorporated. Created the user profile pages and developed both the tutor and student portals. These user profile pages provide a central hub for users to manage their information and settings within the platform. The tutor and student portals serve as dedicated sections tailored to the specific needs and roles of tutors and students, respectively. Developed the course registration page with the live search feature. This feature allows users to efficiently discover and add courses to their profiles. Users can initiate a live search to find specific courses, making the process of course registration more user-friendly and streamlined.

Samaher Damanhori:

In this milestone, I placed a strong emphasis on design, user experience, and testing

Requirement Alignment: Ensure that every design element is in sync with the app's defined requirements.

Design:

- Visual and Functional Elements: I spearheaded the design of features, determining the placement and aesthetics of buttons, as well as the content layout on each page.
- Navigation: I mapped out the user navigation, detailing how users can transition from one page to the next.
- Design Vision: I offered a comprehensive vision for each page, considering multiple design options to best serve our user base.

Feature Implementation & Testing: While my main focus was on design, I undertook the implementation of some features. Also, I Invested some time in testing features to guarantee its functionality and user-friendliness. Finally, resolved some technical challenges, reinforcing the robustness of our application.

Eleanor Barry:

Eleanor focused on the design aspects of user registration and scheduling.

Discussion of each planned task for the next Milestone

For our third milestone, we aim to develop and refine several pivotal features of our app. Initially, we will be implementing an event tracking system, followed by the integration of push notifications and alerts to enhance user connectivity. Another critical functionality we intend to roll out is a seamless communication interface between students and tutors, fostering efficient interactions. Furthermore, we're excited to unveil our 'Rating and Review' system, enabling users to provide and view feedback, ensuring optimal session quality. Lastly, we'll focus on amplifying user engagement and retention capabilities to ensure a sustained user experience. Each of these features will not only be implemented but will also undergo rigorous testing before we present a demonstration of their efficacy.

Key Deliverables:

- Implement, test & demo: Event Tracking
- Implement, test & demo: Rating and review
- Implement, test, and demo: Push Notifications/Alerts
- Implement, test, and demo: Communication (Between Student and Tutor)
- Implement, test, and demo: User Engagement and Retention

We were unable to make progress on the implementation, testing, and demo of Student Ratings and Reviews and event tracking due to constraints such as time limitations and our initial learning curve with the development framework. However, this milestone has provided us with a deeper understanding of the framework and the development process. As a result, we are optimistic that our productivity and turnover rate will significantly improve as we move forward to the next milestone.

Date(s) of meeting(s) with Client during the current milestone: 10/30/2023

Client feedback on the current milestone:

Date(s) of meeting(s) with Faculty Advisor during the current milestone: 10/30/2023

Faculty Advisor feedback on each task for the current Milestone:

1. Resolve Technical Challenges
2. Implement, test & demo user registration
3. Implement, test & demo scheduling
4. Implement, test & demo Student Ratings and Reviews
5. Implement, test & demo Event Tracking

Faculty Advisor Signature: _____ **Date:** _____

Evaluation by Faculty Advisor:

Faculty Advisor: detach and return this page to Dr. Chan (HC 214) or email the scores to pkc@cs.fit.edu

Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Sidney Nedd	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Samaher Damanhori	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Eleanor Barry	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____ **Date:** _____