

Milestone 1 Progress Evaluation

Project Title: Panther Shuttle App

Members and Emails: Joseph Hilte (jhilte2022@my.fit.edu), Jonathan Suo (jsuo2022@my.fit.edu), Tony Arrington (tarrington@2022my.fit.edu), & Chase Monigle (cmonigle2022@my.fit.edu)

Faculty Advisor: Professor Khaled Ali Slhoub (kslhoub@fit.edu)

Client: Vincent Borrelli (vborrelli2022@my.fit.edu), Student Shuttle User

Milestone #1 Progress:

Task	Completion %	Joey	Tony	John	Chase	To do
Compare and solidify technical tools.	100%	10%	50%	20%	20%	None
Provide demo(s) to evaluate tools used.	100%	10%	50%	20%	20%	None
Resolve any of our technical challenges.	30%	0%	0%	15%	15%	Still learning app development as we go/Tracking hurdle needs to be crossed still
Showcase our collaboration tools.	100%	25%	25%	25%	25%	None
Create Requirement Document	100%	50%	20%	10%	20%	None
Create Design Document	100%	50%	10%	20%	10%	None
Create Test Plan	100%	50%	20%	10%	20%	None

Milestone #1 Discussion (Task Details):

- Compare and solidify technical tools.
 - We decided to look at a few different types of tools to use for our app development. Tony ended up finding most of the potential softwares whereas Chase, Johnny, and Joey found one or two extra ones to take a look at. Ultimately we went with Android Studio, as it was one of the ones Chase had mentioned early on in the semester and provided the most features that benefited our app.
- Provide demo(s) to evaluate tools used.
 - We have made a few hello world demos to evaluate the technical tools we found to see if they were worth using. Tony was the main coder behind the ones he found while Chase, Johnny, and Joey all worked on our tool respectively. We would show one another the interface and a simple hello world demo, and our steps to get there. With this Chase made the hello world for Android Studio which we all thought was simplistic and easy to use, hence our decision to move forward with it.
- Resolve any of our technical challenges.
 - Chase and Johnny have been the two developing the app the most so far as to get a head start for Milestone 2. Me and Tony are still trying to learn more about GUI's and the Tracking side of our app. We are still all learning and won't think this will be crossed until further into development as the more time we get with the app development the more comfortable we will feel.
- Showcase our collaboration tools.
 - We each knew what collaboration tools we wanted to use from the start, Tony has been maintaining the Github, making surreal relevant files are there, Chase has been working on the Google Drive, organizing folders and files into respective spots, Johnny handles the Google Calendar ensuring we have all important due dates and meeting times accounted for, and Joey handles the discord, making channels, organizing back up files, and having a place to send concepts/resources.
- Create Requirement Document, Design Document, and Test Plan
 - Spear headed by Joey these documents were made early on in the Milestone as to avoid any confusion later on as deciding these 3 would ultimately set up the project for the rest of the Semesters. Most of the designs and GUI concepts are not finalized but will be the basis for the interface down the road. Mock ups of the UML diagrams were made by Tony and Chase and Johnny worked on the Class Diagrams. Joey did most of the physical writing and general organization of the documents to follow IEEE standard.

Milestone #1 Discussion (Team Contribution)

- **Tony:** Tony led the survey of potential development tools, turning up most of the candidates the team evaluated. He implemented “hello world” demos for the tools he proposed and walked the team through setup and interfaces. Tony maintains the GitHub repo, ensuring the right files and structure are in place. He also contributed to early design work by helping mock up UML diagrams. While he and Joey are still ramping up on GUIs and the tracking component, Tony’s groundwork on tooling and source control has kept the project organized and moving.
- **Chase:** Chase was an early advocate for Android Studio and created a clear, reproducible “hello world” that showcased why it fit the team’s needs; this demo strongly influenced the final decision to standardize on Android Studio. He’s one of the two primary app implementers so far (alongside Johnny), giving the team a head start on Milestone 2. Chase also owns the project’s Google Drive, keeping folders and artifacts tidy and easy to find, and collaborated on early UML design mockups.
- **Johnny:** Johnny helped evaluate tools, built demos for the option he explored, and actively participated in the side-by-side comparisons that led to choosing Android Studio. He is co-leading development with Chase, contributing code and momentum toward the Milestone 2 feature set. Johnny manages the Google Calendar to track key dates and meetings so the team stays aligned. On the design side, he focused on producing the class diagrams that underpin the code structure and guide implementation.
- **Joey:** Joey spearheaded the Requirements Document, Design Document, and Test Plan early in the milestone to lock scope and reduce confusion later. He did the bulk of the writing and organization to align with IEEE style, coordinating inputs from the rest of the team (UML mockups from Tony and Chase, class diagrams from Johnny). Joey also owns Discord operations—creating channels, organizing backups, and keeping a space for sharing concepts and resources. While still building deeper skills in GUIs and tracking (along with Tony), Joey’s documentation leadership and collaboration tooling have provided clarity and structure for the project.

Plan for Milestone #2:

Task	Joey	Tony	John	Chase
Have a running version of the application on Android.	Bug Fix/Make Suggestions	Main Coder/Test on Mobile	Improve for future milestones.	Make a base version of the app.
Implement a basic GUI.	Co Coder/Use GUI mock ups to assist	Main Coder/Test on Mobile	Make Improvements to GUI as see fit	Bug Fix/Make Suggestions
Implement the Shuttle Schedule to be viewed (as PDF)	Implement PDF	Test on Mobile	Bug Fix/Make Suggestions	Bug Fix/Make Suggestions
Implement a base framework for the interface.	Co Coder/Test on Mobile	Main Coder/Test on Mobile	Make Improvements to framework	Make a base framework.

Milestone #2 Plan Discussion (Task Details):

- Have a running version of the application on Android.
 - We have already begun this but we took what we learned from the Hello world demo and started on the next implementation of the app. Chase made a good starting position for us to leap off of and Johnny has already made a mock up of our GUI and we will further improve this to try and stay ahead of schedule. Tony and Joey have been researching a bit more into Android Studio to better suit the task later in this milestone!
- Implement a basic GUI.
 - The basic GUI has also been worked on Mainly by Johnny. Using the Mock Up Joey made for the Design Document, we were able to make a simple version that works on the Emulator. Joey will work with Tony and Johnny to further improve the GUI and later Tony, Joey, and Chase will all see how things look on an actual mobile device so we can give feedback and make improvements.
- Implement the Shuttle Schedule to be viewed (as PDF)
 - This is a pretty basic task, Joey hopes to implement it with no issues and Tony can test with Johnny and Chase to make sure it appears okay and is in a good spot to reach in the app. After that changes can be made as we see fit and the schedule will be easy to find and access!
- Implement a base framework for the interface.
 - Similar to the GUI, Chase has already made a great framework that Johnny has improved upon. Joey and Tony are aiming to get more familiar to add more complex additions moving forward to improve everything beyond just basic implementation.

Date(s) of Meeting/Client Feedback:

- September 17th, 2025 5:30pm at Panther Bay
 - Vincent Borrelli
 - Satisfied with the plan so far.
 - Surprised by the features and likes them all.
 - Wishes this was done before he graduates.

Date(s) of Meeting/Advisor Feedback:

- September 16th, 2025 11:30am at Olin Engineering Complex Room #345
 - (Cancelled due to Dr Shloub feeling under the weather)
- September 23rd, 2025 11:30am at Olin Engineering Complex Room #345
 - Professor Shloub
 - Compare and solidify technical tools.
 - Satisfied/No Comments.
 - Provide demo(s) to evaluate tools used.
 - Satisfied/No Comments.
 - Resolve any of our technical challenges.
 - Satisfied/No Comments.
 - Showcase our collaboration tools.
 - Add Shloub to Githubs
 - Requirement Document
 - Use Case Diagrams for Requirements (Just wants us to show we can make them and have some done).
 - Design Document
 - Name the relationships in the 3.5 UML sections

Faculty Advisor Signature: _____

Date: September 26th, 2025