

Progress Report

- Increment X -

Group #4

Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.

1) Team Members

*Please write the **name** of all the team members, their **FSU IDs**, and **GitHub IDs** here.*

Joshua Glynn: JSG19a, JGlynn101

John Alton: JMA20, nerf999

Moinul Islam: Mi22E, Moinul-Islam-04

Giovanni Giannone : GG22E, ggiannone22

Michael Maytin: MAM33BV, michaelmaytin

2) Project Title and Description

We are creating an app called Beef-It. This app is a health and wellness application that encompasses workout, nutrition, and physique tracking as specific workouts, food and water intake, and progress pictures are added to the application by the user. The user has a login and can track these changes and history through multiple accounts and the application will have persistence of data, stored to the local file system.

3) Accomplishments and overall project status during this increment

Plenty of items on the agenda were accomplished with this increment and especially for the database functionality. We as a team decided to use SQLite database for persistence of data and we mostly integrated methods for CRUD for the user data which leads to resulting changes in the database.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Please describe here in detail: The difficult portion of this increment was deciding how to implement the database. There were many methods we saw of establishing a SQLite database with CRUD functionality for user data. We did not determine which was the best option and ended up choosing multiple methods of creating the database connection to SQLite. Persistence, or storage of user data after exiting the application, has yet to be fully established and this will be the focus of increment 3.

5) Team Member Contribution for this increment

*Please list each individual member and their contributions to **each of the deliverables in this increment** (be as detailed as possible). In other words, describe the contribution of each team member to:*

- a) the **progress report**, including the sections they wrote or contributed to*
- b) the **requirements and design document**, including the sections they wrote or contributed to*
- c) the **implementation and testing document**, including the sections they wrote or contributed to*
- d) the **source code** (be detailed about **which** parts of the system each team member contributed to and **how**)*
- e) the **video or presentation***

Giovanni Giannone

- a. Contributed to next increment plans and video, but we all worked as a group.
- b. RD was done collectively as a group as were all the documents
- c. IT document was done together as a group, and we each had our own inputs on the files
- d. For the increment, I focused on the database on ExerciseData in WorkoutPage which adds either manually the user's own workout which will show in WorkoutHistory, or the user can direct to the AllWorkoutsPage and click and add an exercise which again adds to WorkoutHistory.
- e. Presented my portion of the code and what I plan to do for the next increment.

Moinul Islam

- a. The progress report was done together with the group with each member contributing to the how the progress report would look.
- b. Similarly the RD document was also done with the team and conversed upon together
- c. Finally the IT document was also done together and we had members give details on what they wanted to add
- d. For the increment, I focused on User login and creating the database for this. This was by creating the Database folder which contains the DBFactory and User DTO which we used SQLite to implement. This was joined with the Login page to allow us to have multiple users stored locally on ones device. As of right now we have CRU in this step and the Deletion portion will be implemented in the final build. Also, I worked on the overall front end look of the project specifically the login page and the Landing page to make it look more cohesive with the overall theme of the project
- e. Video Provided at the end

Joshua Glynn:

- a. The progress report was done together with the group with each member contributing to how the progress report would look.
- b. Similarly the RD document was also done with the team and completed together
- c. Finally the IT document was also done together and we had members give details on what they wanted to add
- d. I completed the Calendar portion of the C# .NET Maui application. This included the Calendar database, view, and model of the calendar as well as added the features to ensure the CalendarPage rendered correctly and was able to be interacted with by the user.
- e. We all had a section within the video.

John Alton

- a. The progress report was done with the group
- b. the requirements and design document were done by the group
- c. IT document was also done by the group
- d. The workout database which saves the workouts entered by the user. Also the user is now able to view their exercises in the workout history page.
- e. we all presented our section on video

6) Plans for the next increment

For the next development increment, we aim to establish the main database, implement dedicated databases for nutrition, finalize the workout database, and enhance the app's user interface for improved usability and visual appeal to finalize the Beef-it application.

7) Stakeholder Communication

Dear Stakeholder,

Hope you are doing well! We would like to update you on our progress and current status for the fitness tracking app, Beef-It. a quick update on where we are with our fitness tracking app, Beef-it. Since our last

correspondence, we have completed a large portion of the application in the features and services that were agreed upon. Significant progress has been made in how we store user data, which we are excited to demonstrate!

Our efforts to make the front-end more user-friendly and visually appealing have paid off and we think users will be very satisfied with only slight tweaks and additions. Beyond that, the user experience has been elevated quite a bit as they now store data while running the app. This data includes the workouts, nutrition, and calendar along with the embedded photos that track the user's physique.

The Calendar has been fully added and the user can now add their images to this calendar to track week-to-week progress across months and even years. This is a feature that we are very excited about and know our customers will be satisfied with.

The main focus now is to ensure the data for all features can be saved and recycled as the user exits the application and reopens it. As of now, there is some user data that can be seen by the user while the app is running but will no longer be available upon reentry. This will be the primary focus moving forward and we look forward to making this a reality.

So far, everything is going according to plan, and we don't foresee any major roadblocks. We'll keep you posted as we make more progress. Thanks for your support, and let us know if you have any questions!

Best,

John Alton, Giovanni Giannone, Joshua Gynn, Moinul Islam, Michael Maytin

Team 4

8) Link to video

<https://youtu.be/VTOE39dbNZc>