

6-Day Implementation Plan

Sunday, Monday & Tuesday: Data Fetcher Implementation

!!!!IMPORTANT!!!!: When implementing the new database query functions in `data_fetcher.py`, any existing functions in `modules.py` that currently use hardcoded or randomized data will likely break since they're expecting the original data structure. Therefore, each team member must also refactor the corresponding functions in `modules.py` that depend on their assigned `data_fetcher` functions.

Diego:

- Implement `get_user_posts()` function
- Implement `get_user_profile()` function
- Write tests for both function

Neayla:

- Implement `get_user_workouts()` function
- Write tests for `get_user_workouts()` in `data_fetcher_test.py`

Alexis:

- Implement `get_user_sensor_data()` function
- Write tests for `get_user_sensor_data()` in `data_fetcher_test.py`

Stanley:

- Implement `get_genai_advice()` function
- Write tests for `get_genai_advice()`
- Begin identifying test refactoring needed in `modules_test.py`

Wednesday: Test Refactoring

Alexis:

- Refactor tests in `modules_test.py` that depend on `get_user_sensor_data()`
- Implement mocking and dependency injection

Neayla:

- Refactor tests in modules_test.py that depend on `get_user_workouts()`
- Implement mocking and dependency injection

Diego:

- Refactor tests in modules_test.py that depend on `get_user_profile()` and `get_user_posts()`
- Implement mocking and dependency injection

Stanley:

- Refactor tests in modules_test.py that depend on `get_genai_advice()`
- Finalize test refactoring and ensure all tests pass

Thursday: Page Implementation

Alexis:

- Create `activity_page.py`
- Implement functionality to display recent 3 workouts
- Implement activity summary
- Begin implementation of "share" button functionality
- Implement "share" button functionality to insert rows into Posts table
- Test share functionality

Stanley:

- Create `community_page.py`
- Implement functionality to display first 10 posts from friends ordered by timestamp
- Implement GenAI advice display

Saturday: Integration and Testing for Pages

Neayla:

- Complete integration testing for community_page.py
- Fix any issues identified during testing

Diego:

- Complete integration testing for activity_page.py
- Fix any issues identified during testing

Sunday (April 6th): Finalization and Deployment

All Team Members:

- Conduct final testing
- Fix any remaining issues
- Review code quality and documentation
- Ensure successful deployment to GCP
- Close all GitHub Issues for Unit 3 Milestone
- Create GitHub Release with tag v3

Stanley:

- Update README.md with latest information
- Verify GitHub Actions deployment pipeline
- Begin closing GitHub Issues for Unit 3 Milestone