

# Weekly Tasks, Week of March 3rd

**DEADLINE:** All tasks must be completed before March 9th

## Task Assignments

### Assignee: Diego

#### 1. modules.py: display\_post()

- Hand-draw a mockup for a page displaying a single user post and submit a photo with this assignment. Write the function as specified below and display it on the app. Add a unit test to modules\_test.py.
- Input: username, user\_image, timestamp, content, post\_image
- Output: None

### Assignee: Neayla

#### 2. modules.py: display\_activity\_summary()

- Hand-draw a mockup for a page displaying an activity summary for the past day and submit a photo with this assignment. Write the function as specified below and display it on the app. Add a unit test to modules\_test.py.
- Input: a list of workouts. Workouts contain information for start and end timestamps, distance, steps, calories burned, and start and end coordinates
- Output: None

### Assignee: Alexis

#### 3. modules.py: display\_recent\_workouts()

- Hand-draw a mockup for a page displaying a summary of a user's recent workouts and submit a photo with this assignment. Write the function as specified below and display it on the app. Add a unit test to modules\_test.py.
- Input: a list of workouts. Workouts contain information for start and end timestamps, total distance, total steps, calories burned, and start and end coordinates
- Output: None

### Assignee: Stanley

#### 4. modules.py: display\_genai\_advice()

- Hand-draw a mockup for a page displaying GenAI-created advice (hard-coded for now) and submit a photo with this assignment. Write the function as specified below and display it on the app. Add a unit test to modules\_test.py.
- Input: timestamp, content, motivational image

■ Output: None

**Assignee: Stanley**

5. Hand-draw a mockup combining all of the new features in the app homepage and submit a photo with this assignment. It should be named `mockup_homepage.jpg`.

**Assignee: Alexis**

- ☐ Ensure the project successfully deploys with GitHub Actions.

**Assignee: Neayla**

- ☐ Clean up the Unit 2 Deliverable GitHub Project.
  - Make sure all GitHub Issues are closed.
  - Change the status of your Project to “Complete”.

**Assignee: Stanley and Diego**

- ☐ Create a GitHub Release to submit your solution.
  - In your team’s repository, on the right hand side find Releases, click on Releases, and then on “Draft a new release.”
  - Use the tag v2. The v2 release is the packaged version of your code that will be Graded.
  - Use the title “unit-2” or similar.
  - Include a link to your deployed app in the description.
  - Keep the other default selections and click on “Publish release”

## Project Timeline: Detailed Breakdown

### Phase Zero: Project Setup (Complete by March 3rd)

Required actions for each team member:

- Fork the project repository from the main GitHub link
- Clone your forked repository to your local machine using `git clone [your-fork-url]`
- Verify the remote connections with `git remote -v` to ensure your repo is linked correctly
- Create a new branch for your assigned feature using `git checkout -b [feature-name]`

- **Confirmation:** Post in Discord that you've completed setup and which branch you're working on

## Phase One: Design Sharing (Complete by EOD March 4th)

### Required deliverables:

1. Create a hand-drawn mockup of your assigned feature showing:
  - Layout and UI elements
  - Data presentation format
  - User interaction points
2. Take a clear photo of your mockup

Push your mockup to the shared "mockups" directory:

3. Share your mockup in the Discord channel for everyone to review and provide any feedback if needed.

## Phase Two: Implementation and Unit Tests (Complete by EOD March 6th)

### Development requirements:

1. Implement your function in `modules.py` following the exact input/output specifications
2. Add thorough code comments including:
  - Function purpose and overview
  - Parameter descriptions
  - Return value explanation
  - If LLM assistance was used, include the exact prompt in a comment block
3. Implement comprehensive unit tests in `modules_test.py`:
  - Test normal operation with valid inputs
  - Test edge cases (empty inputs, extreme values, etc.)
  - Test error handling
4. Integrate your function with the app:
  - Add your function call to `app.py` in the appropriate location
  - Ensure it displays correctly in the UI
5. **Delivery process:**
  - Create a pull request from your feature branch
  - Ping the Discord when your pull request has been submitted. Do not merge into main until the group reviews the PR.

## Phase Three: Quality Assurance (Complete by EOD March 7th)

### Testing protocol:

1. Pull the latest code from the main branch

2. Run all unit tests and verify 100% pass rate for your section
3. Perform targeted stress testing:
  - Try invalid inputs
  - Test performance with large datasets
  - Verify correct error messages display
  - Check for visual consistency across browsers/screen sizes
4. Review all other team members' code with focus on:
  - Bug identification
  - Edge case handling
  - Code quality and readability
  - Test coverage
5. OPTIONAL: Document any issues found as GitHub Issues with:
  - Clear reproduction steps
  - Expected vs. actual behavior
  - Screenshots if applicable
  - Priority level (High/Medium/Low)
6. **Final confirmation:** Post in Discord that you've completed testing and link to any issues you created

## **Phase Four: Project Completion (Complete by EOD March 8th)**

### **Final delivery checklist:**

1. **GitHub Actions Deployment** (Assignee: Alexis)
  - Verify CI/CD pipeline is correctly configured
  - Confirm successful deployment to production environment
  - Test deployed app functionality
  - Document the deployment URL
2. **GitHub Project Cleanup** (Assignee: Neayla)
  - Review and close all open GitHub Issues
  - Ensure all pull requests are either merged or closed
  - Update all issue cards to "Done" status
  - Change the project status to "Complete" in project settings
3. **Release Creation** (Assignee: Stanley and Diego)
  - Navigate to: Repository → Releases → "Draft a new release"
  - Set tag version to exactly "v2"
  - Title the release "Unit 2 Deliverable"
  - In the description, include:
    - Link to deployed application
    - Summary of implemented features
    - Known limitations (if any)

- Team member contributions

- Attach the final mockup\_homepage.jpg
- Select the main branch as the target
- Click "Publish release"

4. **Final Team Review** (All members)

- Join a final team meeting to verify all requirements are met
- Test the deployed application together
- Confirm all documentation is complete
- **Project submission confirmation:** All team members must acknowledge in Discord that the release is final and complete