🛠️ Sprint 4: Final Testing, Polish & Submission Prep

> 🎯 Goal: Refine features, fix bugs, write documentation, and prepare for demo and final submission.

☑️ Final Feature Polish

- ☐ Review UI/UX across all pages for consistency
- ☐ Ensure all buttons (Share, Logout, Add Habit) are functional
- ☐ Validate that dynamic content (charts, calendar, stats) loads correctly
- ☐ Test user authentication flow and session handling

🧪 Testing & Quality Assurance

- ☐ Write unit tests for:
  - ☐ User login/register
  - ☐ Habit entry creation
  - ☐ Weekly stats calculation
- ☐ Test responsiveness on mobile/tablet
- ☐ Ensure app handles missing or no-data scenarios
- ☐ Validate edge cases (e.g., duplicate habits, leap year)

📄 Documentation & Submission Files

- ☐ Complete `README.md` with:
  - ☐ App purpose and usage
  - ☐ Setup instructions
  - ☐ How to run tests
  - ☐ Contributor list with UWA ID, name, GitHub handle
- ☐ Create `requirements.txt` using `pip freeze`
- ☐ Include test database (if needed) for demo
- ☐ Ensure no `.venv/`, `.git/`, or cache files are included

📦 Submission & GitHub Prep

- ☐ Push all final code to public GitHub repo
- ☐ Verify GitHub Insights are visible
- ☐ Zip the full project (excluding `.venv/`, `.git/`)
- ☐ Submit zip file on LMS (only one person needs to submit)

🎤 Demo Preparation

- ☐ Assign presentation parts to each team member
- ☐ Prepare a script or demo flow (max 8 mins)
- ☐ Rehearse demo and anticipate questions
- ☐ Ensure app is deployed or ready to run locally with a test DB

🗃 Optional Enhancements (If Time Allows)

- ☐ Add user profile customization
- ☐ Implement dark mode or accessibility options
- ☐ Export report as image or PDF