

# Progress Report #3

## Work Date/Hours Logs

Date	Number of Hours	Work Done
Oct 10, 2025	2	Added new drawable resources (images) in the project for UI enhancement and consistency across activities.
Oct 12, 2025	2	Created icon designs and added them to the drawable-v24 directory to improve visual appeal.
Oct 14, 2025	2.5	Designed and implemented activity_settings.xml and homepage_activity.xml layouts for app navigation and customization options.
Oct 16, 2025	2	Developed description.xml and exercise_tips.xml layouts with clean structures and readable UI components.
Oct 18, 2025	2	Added layouts for food_tips.xml and health_tips.xml; applied consistent color schemes and spacing for visual balance.
Oct 20, 2025	2.5	Created nav_header_layout.xml for the navigation drawer, enabling structured and smooth in-app transitions.
Oct 22, 2025	2	Implemented corresponding Java activity files for new layouts (e.g., HomePageActivity.java, SettingsActivity.java, etc.).
Oct 23, 2025	1.5	Updated AndroidManifest.xml to define activity flow and ensure smooth navigation between newly added screens.

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## Description of Work Done

During this period, I focused on enhancing the user interface, navigation structure, and overall design aesthetics of the NutrevoApp. The main objectives were to create new activity layouts, link them with corresponding Java classes, and update the project manifest to maintain a coherent navigation flow.

## UI and Layout Work:

- Added multiple new XML layout files to expand app functionality and improve organization:
  - activity\_settings.xml – settings screen for user preferences.
  - homepage\_activity.xml – main navigation hub for the app.
  - description.xml, exercise\_tips.xml, food\_tips.xml, health\_tips.xml – informational screens providing users with relevant fitness and nutrition tips.
  - nav\_header\_layout.xml – designed for the navigation drawer interface.
- Included drawable resources such as images and custom icons to make the app visually engaging and cohesive.

## Backend Integration:

- Developed and connected Java classes for each new layout to handle activity logic and user interactions:
  - DescriptionActivity.java
  - ExerciseTipsActivity.java
  - FoodTipsActivity.java
  - HealthTipsActivity.java
  - HomePageActivity.java
  - SettingsActivity.java
- Updated AndroidManifest.xml to ensure smooth navigation between all new activities and maintain a clear user flow across the app.

This phase focused on enhancing the app's interface design, content organization, and activity navigation. The project is now well-structured, and the visual foundation is ready for further integration and feature development.

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## Repo Check-in of Implementation Completed

### Drawable Resources:

- /Implementation/NutrevoApp/app/src/main/res/drawable-hdpi (*Added images*)

- /Implementation/NutrevoApp/app/src/main/res/drawable-v24 (*Added icons*)

#### **Layout XML Files:**

- /Implementation/NutrevoApp/app/src/main/res/layout/activity\_settings.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/description.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/exercise\_tips.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/food\_tips.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/health\_tips.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/homepage\_activity.xml
- /Implementation/NutrevoApp/app/src/main/res/layout/nav\_header\_layout.xml

#### **Java Source Files:**

- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/DescriptionActivity.java
- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/ExerciseTipsActivity.java
- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/FoodTipsActivity.java
- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/HealthTipsActivity.java
- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/HomePageActivity.java
- /Implementation/NutrevoApp/app/src/main/java/com/example/nutrevoapp/SettingsActivity.java

All updates, including layout designs, drawable resources, and activity logic, are committed to the repository. The AndroidManifest.xml has also been updated to reflect the new activity flow.