MOMENTUM

Empowering Users to Build and Maintain Healthy Habits

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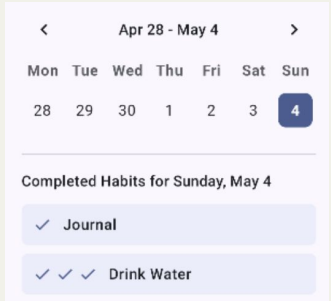
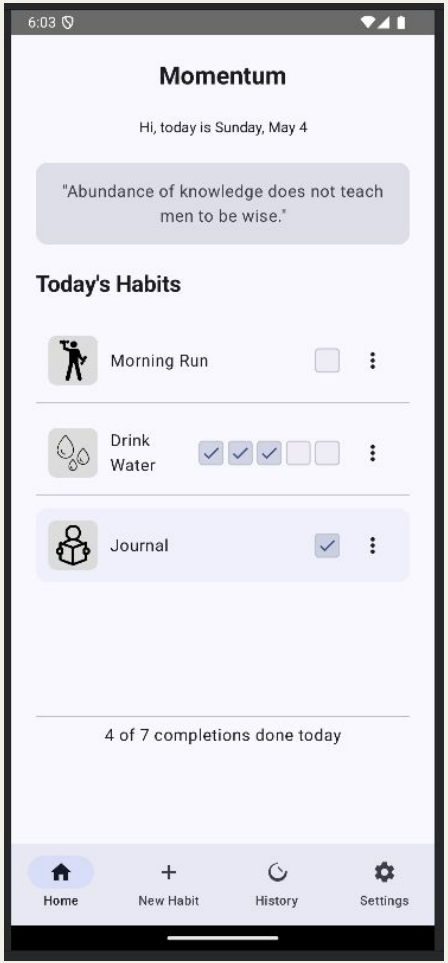
App Functionality

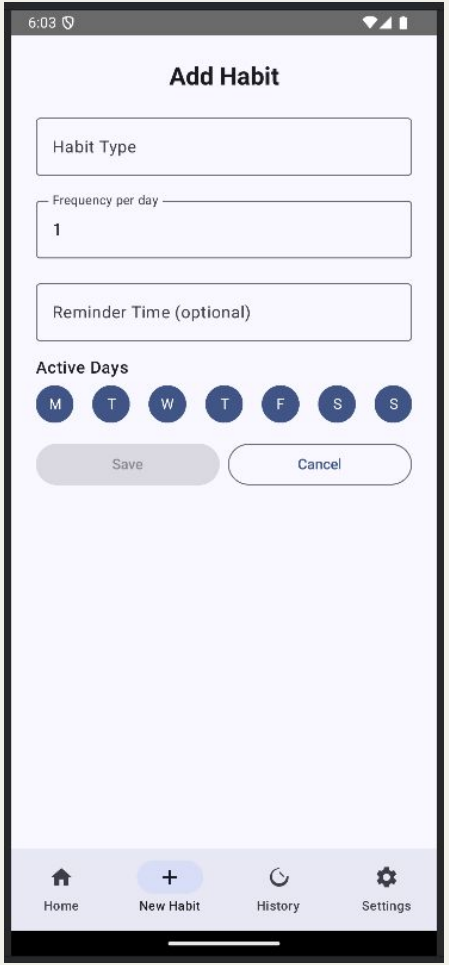
- ❏ Adaptive layout for landscape and portrait orientations
- ❏ Toggleable weekly and monthly calendar views
- ❏ Integrated motivational quotes using the ZenQuotes API
- ❏ Habit tracking with Room database support
- ❏ Users can create new habits
- ❏ Watch and Phone compatibility
- ❏ Step Counter Sensor
- ❏ Frequency per task
- ❏ Streak Counter for tasks

Add Habit Form

- Option to specify day of the week for a specific habit
- Added functionality for the frequency of a habit
  - Must fill in all checkmarks for the habit to be marked as completed

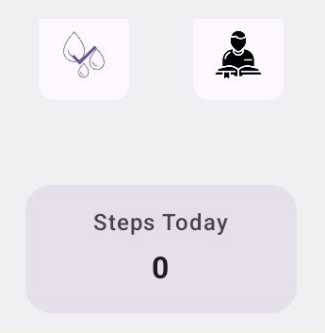


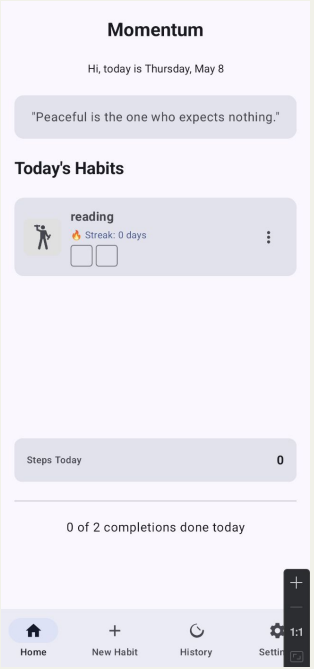




Step Sensor

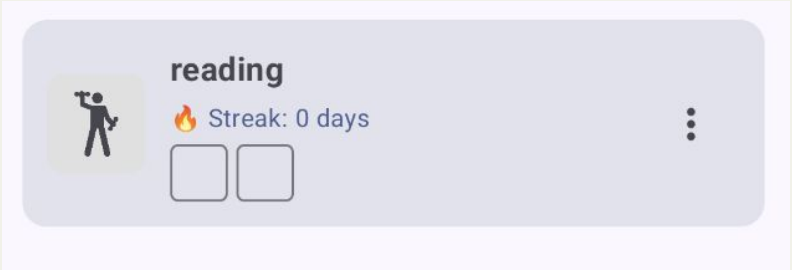
- Uses the device's TYPE_STEP_COUNTER sensor to track total steps
- Real-time updates through a SensorEventListener that listens for step changes and updates the UI accordingly
- Compatible with phones & WearOS watches

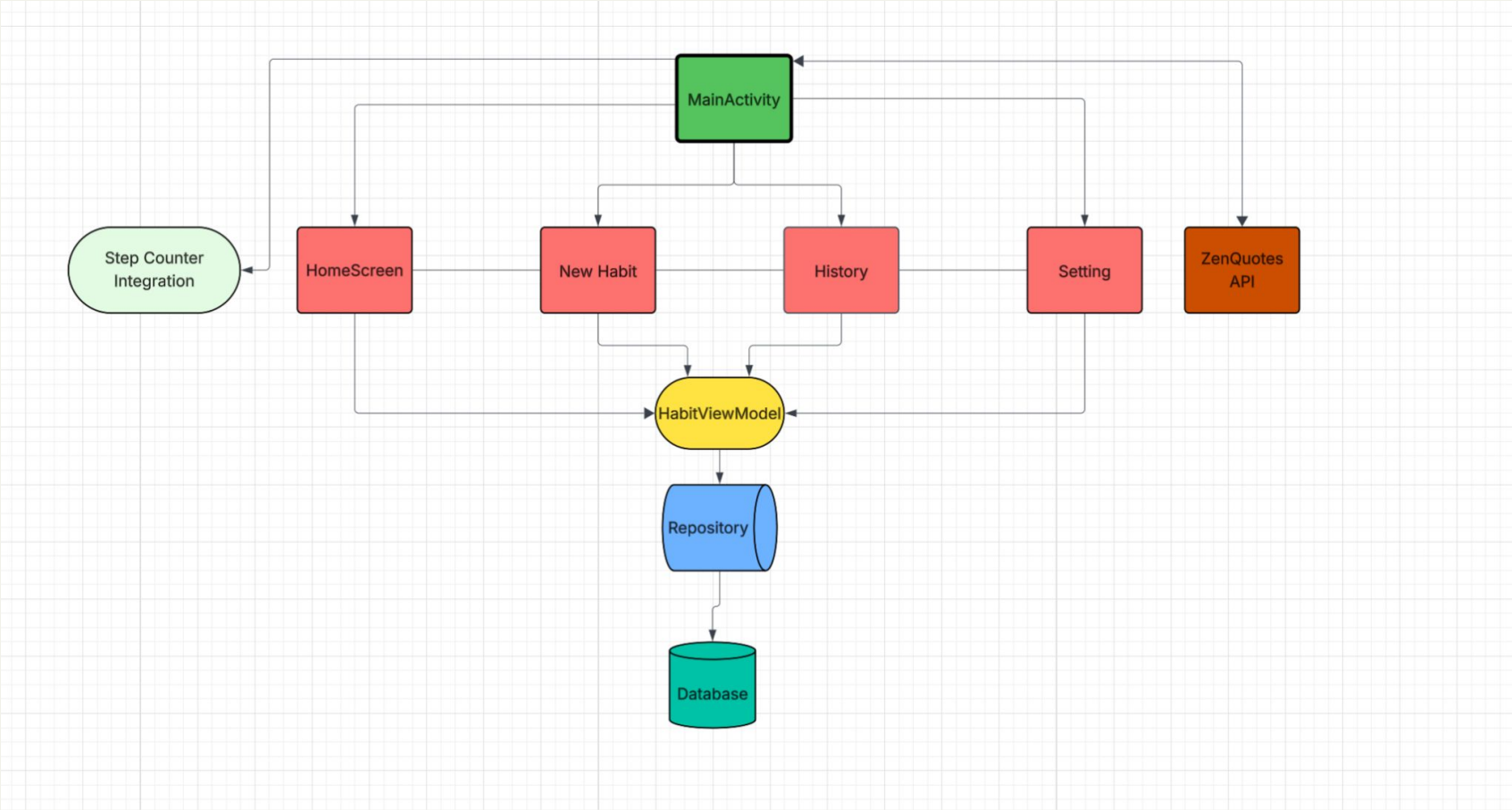




Streak Counters

- Tracks consecutive daily completions of each habit and displays the streak count
- Automatically updates the streak based on whether the user completes the task for the day
- Streak value is stored per habit and shown in the Home page




MainActivity
Step Counter Integration
HomeScreen
New Habit
History
Setting
ZenQuotes API
HabitViewModel
Repository
Database

Usability Testing

- “*I like how the app is intuitive and easy to use. It’s very accessible on the phone, and I would use it to keep track of my gym and class schedule. One thing I would suggest is to maybe add a streak counter option next to each habit.*” - Mohammed Faizan
- *“The app is simple, but does its purpose. The calendar view is really cool!”* - Isabel H.
- *“This app is sick bro!!!”* - Rahat H.
- *“Super clean interface. I like how easy it is to log my habits without any extra steps. Maybe add daily reminders too?”* - Sadid E.

Demo Time!

Thank you for an awesome semester!