

## 1. Introduction

The Personal Habit Tracker is a web-based tool designed to help users build better daily and weekly habits. It allows users to set goals, receive reminders, and view their progress visually using charts and streak trackers.

## 2. System Requirements

- A modern web browser (Google Chrome, Firefox, Safari, Edge)
- Internet connection
- Works on laptops, tablets, and smartphones

## 3. Accessing the Application

1. Open your browser.
2. Visit the homepage:  
[http://207.38.227.166/Final\\_370\\_PersonalHabitTracker/Homepage.html](http://207.38.227.166/Final_370_PersonalHabitTracker/Homepage.html)
3. Click **“Get Started”** to begin.

## 4. Features & How to Use

### 4.1 Signup: Creating a New Account

- Go to: Signup Page
- Fill in:
  - Username
  - Email
  - Password
- Click **“Create Account”**
- You’ll be redirected to the login page once registration is successful.

### 4.2 Login: Accessing Your Account

- Go to: Login Page
- Enter your **email** and **password**
- Click “**Login**”
- After successful login, your habit dashboard will be displayed.

## **5. Dashboard Overview**

### **5.1 Habit Management**

- Add habits like “Drink water” or “Go for a walk”
- Use checkboxes to mark habits completed
- Habits are auto-saved in LocalStorage for fast response

### **5.2 Daily Reminders**

- Notifications prompt you to complete habits
- Configured to show at preset times (future enhancement includes push notification)

### **5.3 Goal Setting (Daily/Weekly)**

- Assign numeric goals for habits (e.g., “3x per week”)
- Progress is shown visually via counters

### **5.4 Streak Tracking & Motivation**

- Streaks track how many consecutive days you completed a habit
- Motivational messages appear when goals are achieved

### **5.5 Charts and Analytics**

- Charts (powered by Chart.js) show progress trends over time
- Includes both habit frequency and completion rate

## **6. Data Storage**

Component	Purpose
LocalStorage	Fast habit tracking on browser
MySQL Database	Stores user accounts, goals, charts
Java Servlets	Handle backend data processing

## 7. Support & Contact

For issues or contributions, contact the team at:

 <https://github.com/MohamedHussein25/Personal-Habit-Tracker>