

## Assignment

### Task Instructions

#### Setup

- Create a GitHub repository for the Personal Finance Tracker project.
- Ensure the project includes:
  - package.json
  - Basic unit tests for Dashboard, Expenses, and Income modules.
- Use **GitHub Actions** for CI.

#### CI Configuration

- Create a workflow file:  
.github/workflows/ci.yml
- Configure the pipeline to:
  - Trigger on push and pull\_request
  - Install Node.js
  - Install dependencies using npm install
  - Run tests using npm test
  - Build the project using npm run build

#### Pipeline Flow

Code Push → Dependency Install → Run Tests → Build Application

#### Bonus Challenge

- Fail the pipeline if any test fails.
- Display CI status badge in the repository README.

#### Expected Output

- CI pipeline runs automatically on every push.
- Tests and build execute successfully.
- Build fails if test cases fail.

**RERUN** rerun all tests

```
✓ personal-finance-tracker src/Income.spec.ts (1 test) 5ms
✓ personal-finance-tracker src/expenses.spec.ts (1 test) 5ms
✓ personal-finance-tracker src/Dashboard.spec.ts (1 test) 3ms
✓ personal-finance-tracker src/app/app.spec.ts (2 tests) 111ms
```

Test Files 4 passed (4)  
Tests 5 passed (5)  
Start at 16:29:12  
Duration 1.43s

**PASS** Waiting for file changes...  
press h to show help, press q to quit

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>ng serve --open

Browser bundles

Initial chunk files	Names	Raw size
main.js	main	48.49 kB
styles.css	styles	95 bytes
Initial total		48.58 kB

Server bundles

Initial chunk files	Names	Raw size
main.server.mjs	main.server	49.75 kB
server.mjs	server	1.81 kB
polyfills.server.mjs	polyfills.server	243 bytes

Application bundle generation complete. [1.731 seconds] - 2026-02-11T11:02:08.428Z

Watch mode enabled. Watching for file changes...

NOTE: Raw file sizes do not reflect development server per-request transformations.

4:32:08 pm [vite] (client) Re-optimizing dependencies because lockfile has changed

4:32:08 pm [vite] (ssr) Re-optimizing dependencies because lockfile has changed (x2)

→ Local: <http://localhost:4200/>

→ press h + enter to show help

Initial chunk files	Names	Raw size
main.js	main	1.90 kB

Application bundle generation complete. [0.346 seconds] - 2026-02-11T11:04:14.783Z

Page reload sent to client(s).

#### Browser bundles

Initial chunk files	Names	Raw size
main.js	main	1.90 kB
styles.css	styles	95 bytes
Initial total		2.00 kB

#### Server bundles

Initial chunk files	Names	Raw size
main.server.mjs	main.server	49.75 kB
server.mjs	server	1.81 kB
polyfills.server.mjs	polyfills.server	243 bytes

Application bundle generation complete. [0.341 seconds] - 2026-02-11T11:05:03.395Z

Initial chunk files	Names	Raw size
main.js	main	2.43 kB

Application bundle generation complete. [0.167 seconds] - 2026-02-11T11:06:09.642Z

Page reload sent to client(s).

Initial chunk files	Names	Raw size
main.js	main	2.44 kB

Application bundle generation complete. [0.166 seconds] - 2026-02-11T11:06:25.159Z

Component update sent to client(s).

Initial chunk files	Names	Raw size
main.js	main	8.45 kB

Application bundle generation complete. [0.602 seconds] - 2026-02-11T11:10:04.208Z

Page reload sent to client(s).

4:40:06 pm [vite] (client) ✨ new dependencies optimized: @angular/common, @angular/forms  
4:40:06 pm [vite] (client) ✨ optimized dependencies changed. reloading

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>ng serve --open

#### Browser bundles

Initial chunk files	Names	Raw size
main.js	main	8.45 kB
styles.css	styles	95 bytes
Initial total		8.54 kB

#### Server bundles

Initial chunk files	Names	Raw size
main.server.mjs	main.server	49.75 kB
server.mjs	server	1.81 kB
polyfills.server.mjs	polyfills.server	243 bytes

Application bundle generation complete. [1.601 seconds] - 2026-02-11T11:11:25.849Z

Watch mode enabled. Watching for file changes...

NOTE: Raw file sizes do not reflect development server per-request transformations.

→ Local: <http://localhost:4200/>

→ press h + enter to show help

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>ng serve --open

#### Browser bundles

Initial chunk files	Names	Raw size
main.js	main	8.45 kB
styles.css	styles	95 bytes
Initial total		8.54 kB

#### Server bundles

Initial chunk files	Names	Raw size
main.server.mjs	main.server	49.75 kB
server.mjs	server	1.81 kB
polyfills.server.mjs	polyfills.server	243 bytes

Application bundle generation complete. [1.641 seconds] - 2026-02-11T11:14:11.249Z

Watch mode enabled. Watching for file changes...

NOTE: Raw file sizes do not reflect development server per-request transformations.

→ Local: <http://localhost:4200/>

```

→ press h + enter to show help
Initial chunk files | Names | Raw size
styles.css         | styles | 237 bytes |

Application bundle generation complete. [0.024 seconds] - 2026-02-11T11:15:03.134Z

Stylesheet update sent to client(s).
Initial chunk files | Names | Raw size
main.js            | main  | 11.50 kB |

Application bundle generation complete. [0.357 seconds] - 2026-02-11T11:15:36.151Z

Page reload sent to client(s).

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>ng serve --open
Browser bundles
Initial chunk files | Names | Raw size
main.js            | main  | 11.50 kB |
styles.css         | styles | 237 bytes |

| Initial total | 11.73 kB

Server bundles
Initial chunk files | Names | Raw size
main.server.mjs    | main.server | 49.75 kB |
server.mjs         | server | 1.81 kB |
polyfills.server.mjs | polyfills.server | 243 bytes |

Application bundle generation complete. [1.780 seconds] - 2026-02-11T11:15:59.092Z

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
→ Local: http://localhost:4200/
→ press h + enter to show help

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>cd personal-finance-tracker
The system cannot find the path specified.

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>git init
'git' is not recognized as an internal or external command,

```

```

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
→ Local: http://localhost:4200/
→ press h + enter to show help

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>cd personal-finance-tracker
The system cannot find the path specified.

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>git init
'git' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\trish\personal-finance-tracker\personal-finance-tracker>|

```

# Finance Tracker

## Add Income

Add

## Add Expense

Add

## Summary

Total Income: ₹ 0

Total Expenses: ₹ 0

**Balance: ₹ 0**

## Income List

## Expense List

### Add Income

### Add Expense

### Summary

Total Income: ₹ 2345

Total Expenses: ₹ 67

**Balance: ₹ 2278**