PROJECT PLANNING

Description of the application's functionality from the **user's perspective**. All user stories put together describe the entire application.

WHAT we will build

HOW we will build it

| 1. USER STORIES | → | 2. FEATURES | → | 3. FLOWCHART | → | 4. ARCHITECTURE | → | DEVELOPMENT STEP |

PLANNING STEP

Implementation of our plan using code

👉 **User story:** Description of the application's functionality from the user's perspective.

👉 **Common format:** As a *[type of user]*, I want *[an action]* so that *[a benefit]*
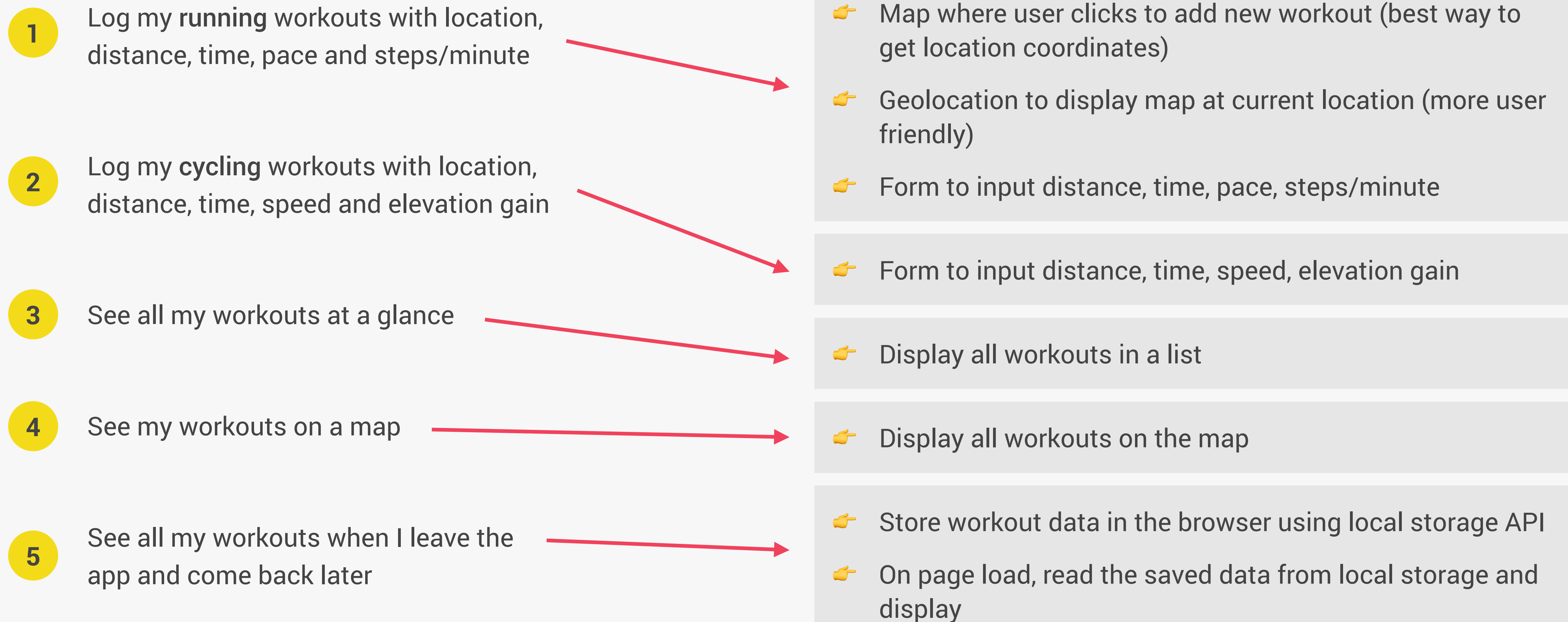
Who?
Example: user, admin, etc.

What?

Why?

1 As a user, I want to **log my running workouts with location, distance, time, pace and steps/minute**, so I can keep a log of all my running

2 As a user, I want to **log my cycling workouts with location, distance, time, speed and elevation gain**, so I can keep a log of all my cycling

3 As a user, I want to **see all my workouts at a glance**, so I can easily track my progress over time

4 As a user, I want to **also see my workouts on a map**, so I can easily check where I work out the most

5 As a user, I want to **see all my workouts when I leave the app and come back later**, so that I can keep using there app over time

2. FEATURES

mapty
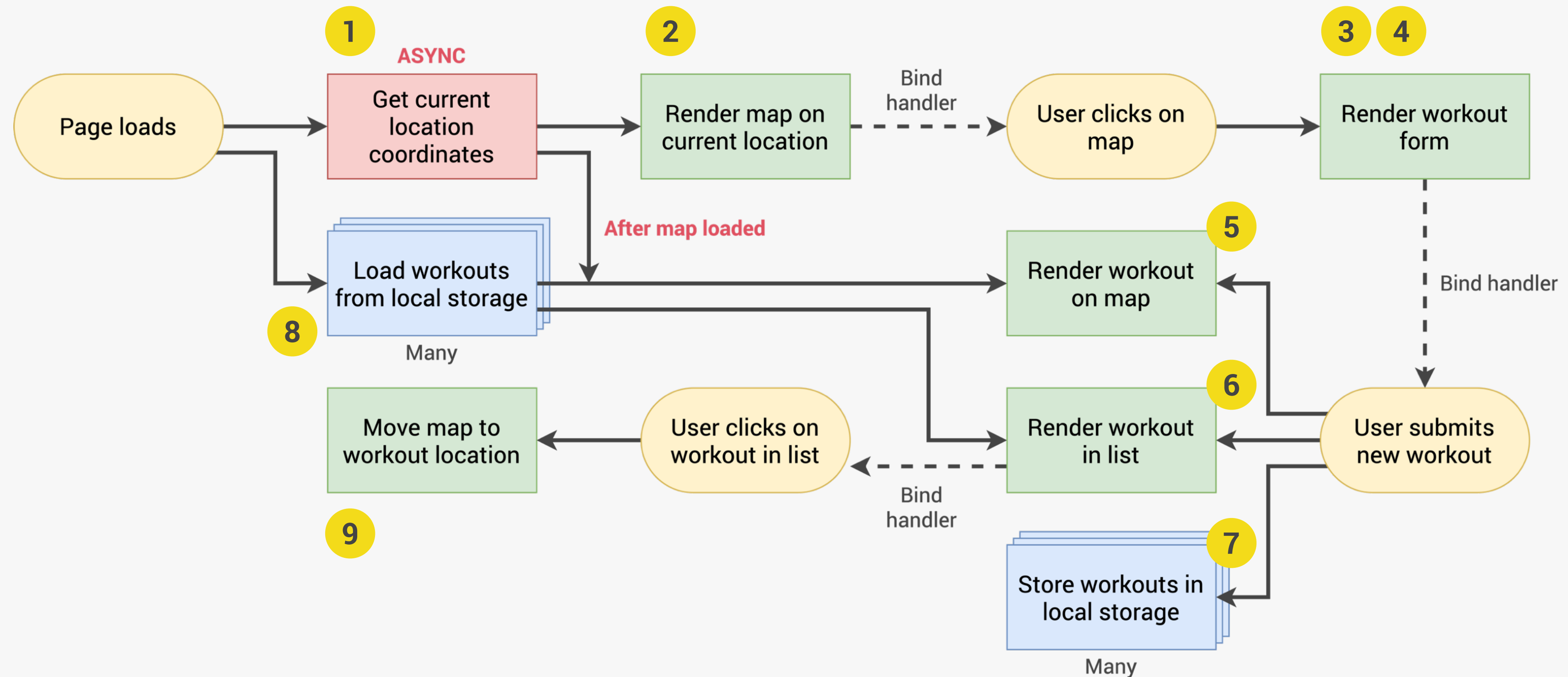
| USER STORIES | → | FEATURES |

1. Log my **running** workouts with location, distance, time, pace and steps/minute

2. Log my **cycling** workouts with location, distance, time, speed and elevation gain

3. See all my workouts at a glance

4. See my workouts on a map

5. See all my workouts when I leave the app and come back later

👉 Map where user clicks to add new workout (best way to get location coordinates)

👉 Geolocation to display map at current location (more user friendly)

👉 Form to input distance, time, pace, steps/minute

👉 Form to input distance, time, speed, elevation gain

👉 Display all workouts in a list

👉 Display all workouts on the map

👉 Store workout data in the browser using local storage API

👉 On page load, read the saved data from local storage and display

FEATURES

1. Geolocation to display map at current location

2. Map where user clicks to add new workout

3. Form to input distance, time, pace, steps/minute

4. Form to input distance, time, speed, elevation gain

5. Display workouts in a list

6. Display workouts on the map

7. Store workout data in the browser

8. On page load, read the saved data and display

9. Move map to workout location on click

Added later

Page loads →

1 ASYNC
Get current location coordinates

2
Render map on current location

Bind handler

User clicks on map

3 **4**
Render workout form

After map loaded

8
Load workouts from local storage
Many

5
Render workout on map

Bind handler

6
Render workout in list

User submits new workout

9
Move map to workout location

User clicks on workout in list

Bind handler

7
Store workouts in local storage
Many

☝ In the real-world, you don't have to come with the final flowchart right in the planning phase. It's normal that it changes throughout implementation!