

# GANTT CHART

## 1. List the tasks (modules)

We started by writing down all the parts of the system that need to be built, based on the DFD.  
Example: Database, Landing Page, Login Page, Cart, Admin Dashboard, etc.

Think of this like writing your **to-do list** for the project.

## 2. Group tasks into RAD phases

Since we are using **RAD (Rapid Application Development)**, we follow its stages:

1. **Requirements Planning** – gather needs.
2. **User Design** – build simple prototypes (sketches, wireframes).
3. **Construction** – build the actual system.
4. **Cutover** – test and deploy.

Place each task under the phase where it belongs.

## 3. Estimate time for each task

For every task, we estimate how long it would take in **days**.

- Small pages → 1–3 days
- Bigger things (like database, admin dashboard) → 2–4 days

These are **estimates**, not exact. The idea is to plan ahead.

## 4. Identify dependencies (what comes first)

Some tasks **depend on others**.

- Example: You need the **Database** before you can make the **Sign-Up Page**.
- You need **Sign-Up** done before **Login** makes sense.

Make sure tasks are in the correct order.

## 5. Plan parallel work (teamwork)

Since we have **3-5 members**, some tasks can happen at the same time.

- Example: While one member is building the **Database**, another can start designing the **Landing Page**.

👉 This makes the project faster.

## 6. Assign people

We assigned **all 5 members** to each task (so it's flexible who does what).

In real life, you might say:

- 2 people → database
- 2 people → frontend pages
- 1 person → testing

## 7. Put it in a timeline

Finally, we placed all tasks into a **calendar view**:

- Start date → Sept 29, 2025
- End date → calculated based on task durations and dependencies
- Tasks show as **bars** in the Gantt chart

👉 This way, you can see **which tasks overlap** and when the project will finish.

# Guide for Individual Members

Scenario: We have 5 members:  
**Ariel, Bea, Carlos, Dante, Elaine**

## Roles (special focus areas)

Even if all 5 can help each other, it's easier if each has a **main role**:

- **Ariel – Database Specialist**  
Focus on database design, schema, and connections.
- **Bea – Frontend Designer**  
Focus on how pages look (landing, sign-up, login, cart, etc.).
- **Carlos – Backend Developer**  
Focus on how the system works behind the scenes (PHP logic, APIs).
- **Dante – Tester & Integrator**  
Focus on testing modules and making sure they work together.
- **Elaine – Project Coordinator**  
Helps manage schedules, checks progress, and supports where needed.

## . Task Distribution (per phase)

### Phase 1: Requirements Planning

- **All Members:** Meet, list requirements, and agree on features.  
👉 Everyone contributes here.

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### Phase 2: User Design (Prototypes)

- **Bea:** Makes wireframes (Landing Page, Sign-Up, Login, Cart).

- **Elaine:** Helps gather feedback from the group and adjust designs.  
👉 Others just review and give feedback.

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### **Phase 3: Construction (Main Build)**

Here's how tasks can be divided (some in parallel):

Task/Module	Main Person	Support Member
Database Schema & Setup	Ariel	Carlos
Landing Page Interface	Bea	Elaine
Sign-Up Page	Carlos	Bea
Login Page	Carlos	Ariel
Client Landing (after login)	Bea	Elaine
Cart & Place Ordering	Ariel	Carlos
Track Order Page	Carlos	Dante
Order History Page	Ariel	Dante
Admin Dashboard	Bea	Elaine
Sales Summary Page	Ariel	Bea
Managing Items Page	Carlos	Ariel
Managing Orders Page	Dante	Elaine

### **Phase 4: Cutover (Testing & Deployment)**

- **Dante:** Lead tester (checks each module, finds bugs).
- **Elaine:** Coordinates testing schedule, documents results.
- **All Members:** Fix bugs together, then prepare for deployment.

## **Conclusive Thoughts**

**Work in parallel:** More than one task can happen at the same time.

**Communicate often:** Update the group daily (short meeting).

**Support each other:** Even if you have a main role, help teammates when free.

**Test early:** Don't wait until the end—test as soon as a page is ready.