

## Annotated Examples

1.

- **Commit Message:** *"Implement responsive UI component with dropdown menu"*
  - **Role:** Frontend
  - **Annotation:** This commit modifies `.js_ts` files with UI changes. The focus is on user-facing design (responsive dropdown), which is characteristic of frontend development.
- 

2.

- **Commit Message:** *"Refactor UI components: Implement responsive grid system"*
  - **Role:** Frontend
  - **Annotation:** The use of CSS file extensions and focus on layout refactoring clearly places this in the frontend domain, dealing with styling and responsiveness.
- 

3.

- **Commit Message:** *"feat: Implement responsive UI layout with modal windows"*
  - **Role:** Fullstack
  - **Annotation:** Both HTML and JavaScript are modified. HTML defines structure, while JS manages interactivity, making this a combination of frontend and backend integration → classified as fullstack.
- 

4.

- **Commit Message:** *"Refactored UI components for responsive layout and consistency"*

- **Role: Frontend**
  - **Annotation:** Commit is tagged as a refactor with only JavaScript/TypeScript changes. No backend logic involved, hence frontend.
- 

5.

- **Commit Message:** *"feat: Implement responsive UI layout for login page"*
  - **Role: Fullstack**
  - **Annotation:** Commit touches both `.js_ts` and `.html` files, suggesting work on both structure and dynamic logic, justifying fullstack classification.
- 

6.

- **Commit Message:** *"Fix API integration for data fetching in dashboard"*
  - **Role: Backend**
  - **Annotation:** This commit adjusts API-related functionality (likely Python/Node backend). The focus is server communication rather than UI.
- 

7.

- **Commit Message:** *"Add new REST endpoints for user authentication"*
  - **Role: Backend**
  - **Annotation:** Commit involves creating endpoints and handling authentication, tasks handled by backend developers.
- 

8.

- **Commit Message:** *"Optimize database queries for faster report generation"*

- **Role: Backend**
  - **Annotation:** Involves improving query logic for performance. Since it interacts directly with the database, it's backend work.
- 

9.

- **Commit Message:** *"Update CSS themes for dark mode support"*
  - **Role: Frontend**
  - **Annotation:** Commit modifies only `.css` files to improve visual presentation, which is purely frontend work.
- 

10.

- **Commit Message:** *"Integrate frontend UI with backend API for profile management"*
- **Role: Fullstack**
- **Annotation:** Commit bridges UI and backend API, involving changes in both `.js_ts` (frontend logic) and server communication, hence classified as fullstack.