Of course! Creating a practical file is all about documenting your work in a structured way. For **Practical 1**, the goal is to prove you've successfully planned your project and created its foundational structure.

Here is a detailed guide on what to write in your practical file for Practical 1, using your "ByteBazaar" e-commerce website as the example.

Practical 1: Problem Definition and HTML Skeletons

Aim: To define the scope, identify key pages, and create the foundational HTML structure for the "ByteBazaar" E-commerce Website.

1. Project Scope and Objective

The primary objective of the "ByteBazaar" project is to develop a modern, full-stack e-commerce website. The platform will allow users to browse products, view detailed product information, manage a shopping cart and wishlist, and proceed through a checkout process. The project will also include features for user registration and account management. The initial phase focuses on creating a complete and responsive frontend layout using HTML5 and CSS3.

2. Key Questions & Analysis

As per the practical requirements, here is the analysis for your e-commerce website:

2.1. What pages and features should be included?

The project scope includes a minimum of 10 essential pages, which have been created to provide a complete user journey:

- **Home Page (index.html):** The main landing page featuring a hero section, featured products, and seller highlights.
- **Products Page (products.html):** A grid-based gallery of all products with sorting and

filtering capabilities.
- **Product Detail Page (product-details.html):** A dedicated page showing detailed information for a single product.
- **Categories Page (categories.html):** A page to browse all product categories.
- **Shopping Cart Page (cart.html):** Displays items added to the cart and calculates the total cost.
- **Wishlist Page (wishlist.html):** Shows items the user has saved for later.
- **Login Page (login.html):** For existing users to sign in.
- **Registration Page (register.html):** For new users to create an account.
- **User Profile Page (profile.html):** A dashboard for logged-in users to manage their details.
- **About Us Page (about.html):** Provides information about the ByteBazaar company and team.
- **Contact Us Page (contact.html):** Includes a contact form and company details.

2.2. How will navigation and page flow be structured?

The website uses a clear and intuitive navigation structure to ensure a smooth user experience.

- **Main Navigation:** A persistent navigation bar at the top of every page provides links to **Home**, **Categories**, **Wishlist**, **Cart**, and an **Account** dropdown (for Login/Register/Profile).
- **User Journey:**
  1. A user typically lands on the **Homepage**.
  2. They can browse items on the **Products** or **Categories** pages.
  3. Clicking a product leads to the **Product Detail Page**.
  4. From there, they can add items to their **Cart** or **Wishlist**.
  5. The user can view their selections on the **Cart Page** and then proceed to checkout.
  6. The **Login/Register** pages are accessible at any time, leading to the **Profile Page** upon successful authentication.

2.3. What are the user roles?

The platform is designed to support three primary user roles:

- **Customer:** Any guest or registered user who can browse products, add them to a cart/wishlist, and make purchases.
- **Seller:** A registered user with special privileges to list, manage, and sell their own products on the platform.
- **Admin:** A superuser with complete control over the platform, including managing users,

products, sellers, and orders.

3. Sitemap / Wireframe (Supplementary Problem)

For this section, you should create a simple visual sitemap or a wireframe for your homepage. You can use a tool like

Figma or **Draw.io** as suggested in your practical list, take a screenshot, and add it to your file.

Example Sitemap:
**
Example Wireframe:
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