

Requirement Document

JUNE 21:

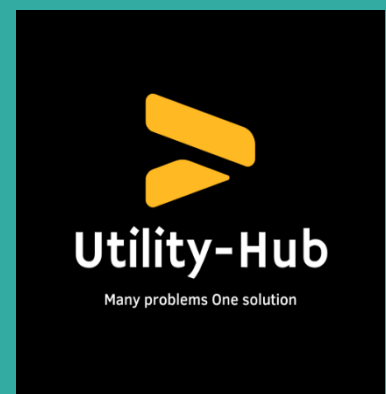
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SOFTWARE AND HARDWARE REQUIREMENTS:

- **Operating System:** The **UtilityHub** application should be compatible with popular operating systems such as Android.
 - **Development Framework:** The application can be developed using frameworks like Kotlin, Android Studio, Flutter, or native development tools.
 - **Database:** A database management system (e.g., MySQL, PostgreSQL, MongoDB) will be needed to store user data, product information, service details, and other relevant data.
 - **APIs:** Integration with e-commerce platforms, service providers, and ride-hailing services will require utilizing their respective APIs.
 - **Payment Gateway:** Integration with a secure payment gateway provider (e.g., PayPal, Stripe) to process online transactions securely.
 - **Version Control:** Git will be required for version control and collaboration among the development team.
 - **Deployment:** The application can be deployed on cloud platforms (e.g., Amazon Web Services, Google Cloud Platform) or on-premises servers, depending on the project's requirements.
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- **Mobile Devices:** The **UtilityHub** application should be compatible with a wide range of smartphones and tablets, including Android devices.
 - **Processing Power:** The application should be optimized to work smoothly on devices with varying processing power and memory capabilities.
 - **Storage:** Sufficient storage space on the mobile device to install the application and store user data.
 - **Internet Connectivity:** The application requires an active internet connection for seamless access to e-commerce platforms, service providers, and ride-hailing services.
 - **Camera and Microphone (optional):** If the application includes features like scanning barcodes, QR codes, or capturing user-generated content, access to the camera and microphone may be necessary.

These software and hardware requirements will provide the foundation for developing and deploying the UtilityHub application, ensuring compatibility, performance, and functionality across various devices and platforms.

PROJECT BACKLOG(FEATURES LIST):

- The product backlog for the UtilityHub application includes the following features:
- User registration and authentication.
- Integration with e-commerce platforms.
- Product browsing and search functionality.
- Shopping cart management and checkout process.
- Order tracking and delivery notifications.
- Integration with service providers.
- Service listing and search capabilities.
- Booking and scheduling services.
- Ratings and reviews for services.
- Integration with ride-hailing services.
- Cab availability and booking functionality.
- Real-time ride tracking and updates.
- Fare estimation and payment integration.
- User profile management.
- Notifications and alerts.
- Settings and preferences customization.
- Customer support and feedback system.

VERSION CONTROL:

The UtilityHub project will be uploaded to a Git repository for version control, collaboration, and code management. This will ensure that the project codebase is accessible, organized, and properly tracked throughout the development process. Git allows for seamless collaboration among team members, code versioning, and easy deployment to different environments.

CONCLUSION:-

In conclusion, the requirement document for the UtilityHub application has defined the functional requirements, product backlog, workflow diagram, and software/hardware requirements. These components provide a clear roadmap for developing a seamless and integrated application that fulfills users' needs. With a focus on shopping, service access, and cab booking, UtilityHub aims to deliver a user-centric experience. The document sets the foundation for the development team, ensuring compatibility, performance, and functionality across devices and platforms. Overall, the completion of the requirement document marks an important milestone towards delivering a comprehensive UtilityHub application that simplifies processes and meets user expectations.