**Importance of Documenting User Requirements**  
 Documenting user requirements is essential Because it creates a clear picture of what users expect from the system,. By ensuring that user demands are recorded in an organised manner.  The project scope is described in these documents, which helps to manage client expectations and avoids unnecessary extensions or adjustments later on. In order to guarantee that the system appropriately satisfies user needs, it also acts as a blueprint for the system's design and growth.

**Establishing a Strong Foundation for Systems Design**In order to lay a strong basis for system design, systems analysts start by carefully gathering and recording requirements from all relevant stakeholders. They create diagrams, such as UML and data flow diagrams, to show how the various parts of the system will work together. Analysts select a suitable system design that strikes a balance between performance and scalability to satisfy the goals of the project. They also create thorough specs to direct developers and rank crucial features to guarantee the most crucial parts are implemented first. Prototypes allow analysts to test and evaluate design decisions at an early stage, and industry standards guarantee security and compliance.