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SDLC - Assignment-1

SDLC Overview Infographic Outline

The SDLC is a structure process, to develop high-quality software through distinct phases,

1) Requirements

understand customer needs to set clean expectations.

Importance — Prevents costly misunderstandings.

2) Design

create system architecture and blueprints.

Importance — Guides developers and reduces errors.

3) Implementation

Develop the actual software by coding

Importance — Turns plans into a working product

4) Testing

Validate functionality and find bugs.

Importance — Ensures software quality

5) Deployment

Launch the software for end-users.

Importance — Makes the solutions operational

Interconnection

Phases flow sequentially with feedback loops, Agile models revisit phases iteratively

SDLC - Assignment-2

Mock Interview Details
- Duration: 30 min
- Stakeholder: community Event Organizer (fictional)

Key Requirements
- User Roles → Event Organizer
           → Volunteer

Core functionalities
- Volunteer signup and managment
- Event calender view
- User profiles for members and organizers

Non-Functional Requirement
- Secure login
- Real-time event updates

Additional Features
- Social media Integration for event sharing

Documentation & Traceability
- Requirement Document
- Traceability matrix

Mock Interview Process
- Role-play on Business Analyst; client acts as stakeholder
- Sample questions like → key app features?
                      → supported platforms?
                      → Budget & timeline