

SDLC Overview

1. Requirements

- **Goal:** Gather what the project needs to succeed.
 - **Importance:** Sets a clear vision.
 - **Activities:**
 - Interviews
 - Documentation
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2. Design

- **Goal:** Plan how the system will work.
 - **Importance:** Blueprint for development.
 - **Activities:**
 - Architecture
 - Prototypes
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3. Implementation

- **Goal:** Build the system.
 - **Importance:** Create the software.
 - **Activities:**
 - Coding
 - Integration
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4. Testing

- **Goal:** Ensure the system works correctly.
 - **Importance:** Quality assurance.
 - **Activities:**
 - Test cases
 - Bug fixes
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5. Deployment

- **Goal:** Release the system.
- **Importance:** Make it available for use.
- **Activities:**
 - Deployment

- Validation

Flow and Feedback

- **Requirements → Design → Implementation → Testing → Deployment**
- **Feedback Loop:** Post-deployment improvements lead back to Requirements.

This simple, concise format can be transformed into a visually appealing one-page infographic using straightforward design tools.