1. Requirements Gathering

 1. Understand what the business and users need

 2. Figure out what the system should do and how it should perform

2. System Design

 1. Plan both the overall structure and detailed parts of the system

 2. Create diagrams to show data flow, database design, and screen layout ideas

3. Implementation

 1. Build the user interface (frontend) and the background system (backend)

 2. Connect the system to the database

 3. Add features like user login, data processing, and security measures

4. Testing

 1. Test small pieces of code

 2. Test the complete system

 3. Check security features

 4. Make sure the system works well for users

5. Deployment

 1. Launch the system on a server or in the cloud

 2. Set up tools for automatic updates and smooth delivery (CI/CD)

 3. Add domain name, SSL certificate, and monitoring tools

6. Maintenance

 1. Fix any issues or errors (bugs)

 2. Make regular updates and improvements

 3. Adjust system settings or structure when needed

 4. Add small new features if required

How They Interconnect:

 1. Every step depends on how well the previous step was done

 2. If changes happen later, earlier steps might need to be updated

 3. Teamwork, clear documentation, and regular feedback are key to success

