What is SDLC

* Software Development Life Cycle

1. Request Analysis and Information Gathering

* IT Possible
* Team/ Resource
* Deadline and Costing

6 Month – 10 lakh

* Team Prepare
* Technology , Database

1. Design

– Architecture of Project

* System Architecture – 10
* User – App
* Log in / Log out
* Rest
* Admin

1. Framework Database Use

Readymade Architecture

MYSQL, POSTGRES, MONGODB

* API, Shema Model – Table
* Future Scope

1. Pillar of S/W Testing

* Unit testing – Singal Fun test
* Intergration testing
* System testing – Website start – end test
* UAT (user acceptance testing)// QA

MODULE 1

* Authentication – registration , login , forget Password , Change Password

MODULE 2

* Cart – Add to Cart,

Remove, qut inc dec

MODULE 3

* Whishlist

MODULE 4

* Payment

Api Testing

Database testing

Jira tool – bug assign

Database testing

Backend developer - data store

Sql- structure query lang

1. Website -1 database- multiple table

* Registration
* Order

1. Types

* RDBMS – relational database
* Management system – Sql table
* Mysql, Oracle, Postgrey, Sqlite
* No Sql – Json – JAVA Script Object

Notation – mongodb

[

{

Name.”testing”

Address.”ahmd”

}

{

},

]

CREATE DATABASE myntra

DROP DATABASE myntra

CREATE TABLE emp\_details(empid int AUTO\_INCREMENT NOT null,

empname varchar (50) not null,empdesignation varchar (30) not null

empaddress varchar (40) not null,

PRIMARY KEY (emp id)

INSERT INTO emp\_ details (empname,empdesignation,empaddress)VALUE(“Drumil”,”ahmd”);

SELECT\*FROM product where pid+=6;

UPDATE productSET pname=”tv” , price=”5000” where pid3;

CREATE VIEW emp\_india AS SELECT empname,empdesignation,empcountry FORM emp\_detail WHERE empcountry+”india”

Delete From Where=data

SDLC

Software development lifecycle

1. Req gathering and analysis

* Projegt = It possible
* Team select on project work
* Deadline and costing (3 monts – 5 lakh)
* Team decide – tester developer – front back decign Dba devoops tools and technology

1. Design – architecture of project - blue print
2. Development
3. Testing
4. Deployment
5. Maintainance

Agile

Scrum meeting

**Phases of SDLC:**

1. **Requirement Gathering & Analysis** – Understanding what the client or market needs.
2. **Planning** – Defining scope, resources, timelines, and cost estimation.
3. **Design** – Creating architecture and design specifications (e.g., UI design, system architecture).
4. **Development** – Writing the actual code based on design documents.
5. **Testing** – Ensuring the software is bug-free and meets requirements through QA testing.
6. **Deployment** – Releasing the software for use in the production environment.
7. **Maintenance** – Ongoing support, updates, and bug fixing after deployment.