

Q What is software? What is software engineering?

Answer:

What is software

Software instruction or programs ka ek set hai jo computer ko Batata hai ki kya karna hai, it's like a translator between computer and user, jo ek guide ki tarha se kam karta hai specific tasks jese ki browsing Internet, playing games, ya fir writing documents and other things.

For example: WhatsApp, chrome, google, my pc etc

What is software engineering

Software engineering, software banane ke liye uski testing, designing or maintaining ke liye ki jane vali ek process hai, it's like being a builder and architect for software jo ensure karta hai ki programs well made, reliable, or user ki zarurat ko pura kar rahe hai.

Q. Explain types of software

Answer:

System software

ye ese softwares hai jo computer ko run aur manage karne me madad karte hai, ye ek taur se computer ke dimag ke saman hai jo basic operations ko samajne or perform karne me madad karte hai,

For example: settings, my pc, windows, Linux, recycle bin, etc.

Application software

Application software ese software hai jo kisi specific tasks ke liye banaye jate hai, jese ki writing documents, browsing the Internet, playing game etc

For example: candy crash, devC, Google chrome etc.

Q3. What is SDLC? Explain each phase of SDLC

Answer

SDLC stands for software development life cycle :

SDLC software developers ko high quality softwares ko design, maintain, develop aur test karne me madad ki jane vali ek process hai, it provides a structured approach to software development, jo ensure karta hai ki software works effectively and meets users' requirements.

Phrases of SDLC:

- Requirement gathering
- Analysis
- Designing
- Implementation
- Testing
- Maintenance

- **Requirement gathering:**

Software ki sabhi mukhya jankari o ko ikattha karna or dastavejikan karna

- **Analysis:**

Software se judi sabhi information jo Collect karne ke bad analysis karna or janchna

- **Designing:**

Informations ko ikattha or usko analysis karne ke bad uski madad se uske mutabic software ki design banane ka kam is charan me hota hai

- **Implementation:**

Implementation me software ki main design ke base par coding ki jati hai or programs banaye jate hai

- **Testing:**

testing me codes sahi se run horahe hai ya nahi vo sahi se kam kar rahe hai ya nahi or bakiki jankatio or user ki need ko pura kar rahe hai ya nahi vo test kiya jata hai

- **Maintenances:**

Software ko banane ke bad ya program ko banane ke bad use maintain karna use update ya edit karna, use janchna or future ki need ke hosabse changes karna is charan me hota hai

What is DFD? Create a DFD diagram on Flipkart

Answer

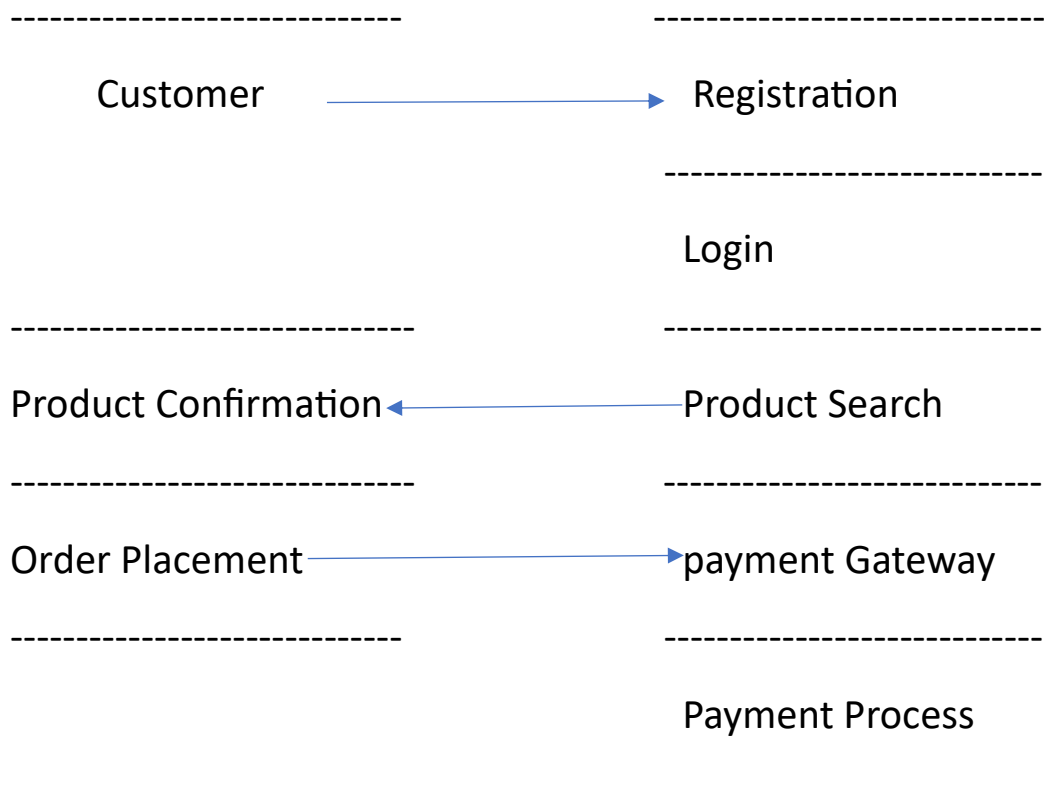
DFD stands for Data Flow Diagram

Data flow diagram shows how data move through a system from start to finish.

Website ki process like kese kharidna,kese create,delet,payment karna,etc

Example of flipkart:

Flipkart DFD:-

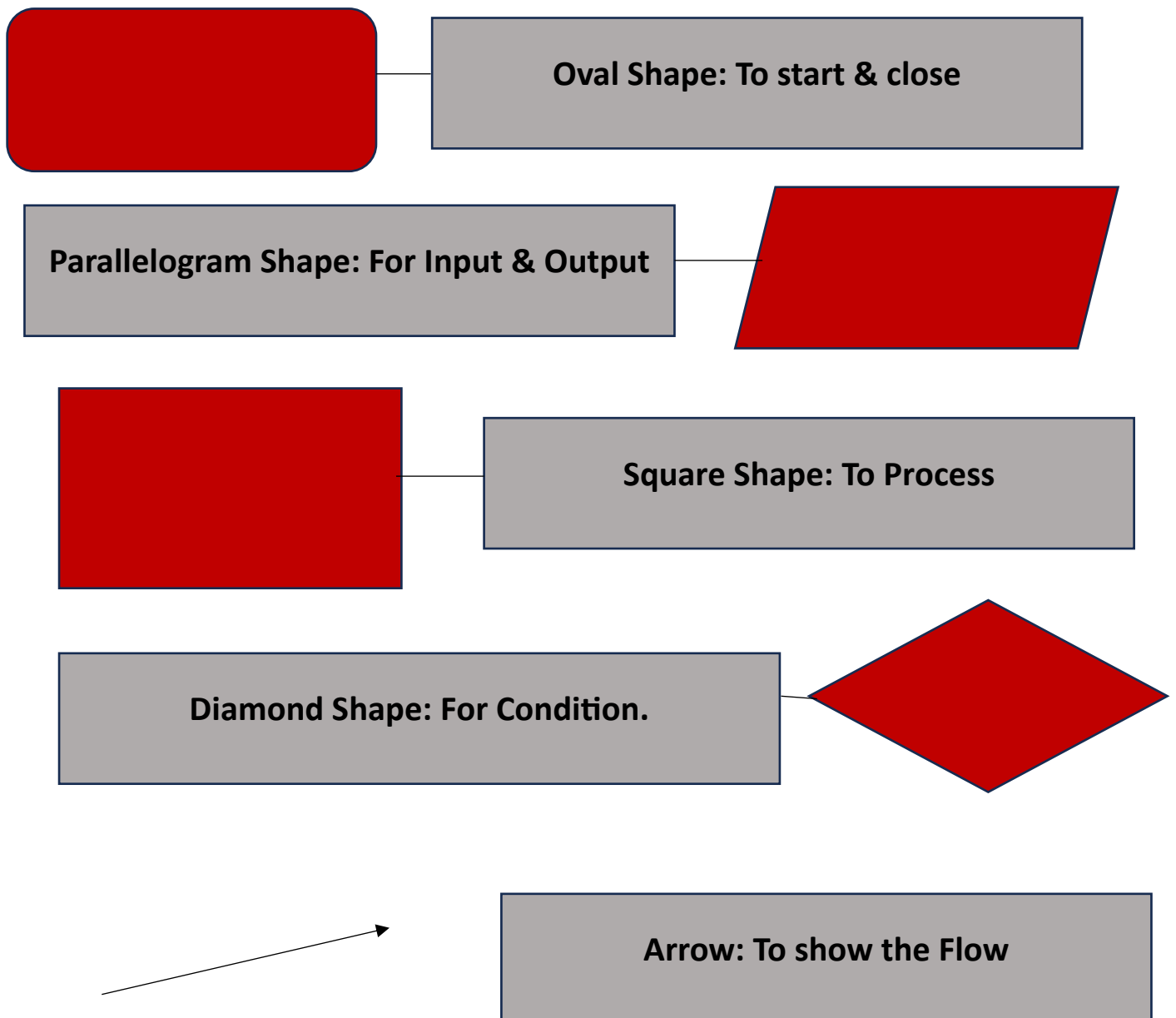


Q What is Flow chart? Create a flowchart to make addition of two numbers

Answer

Flow chart:

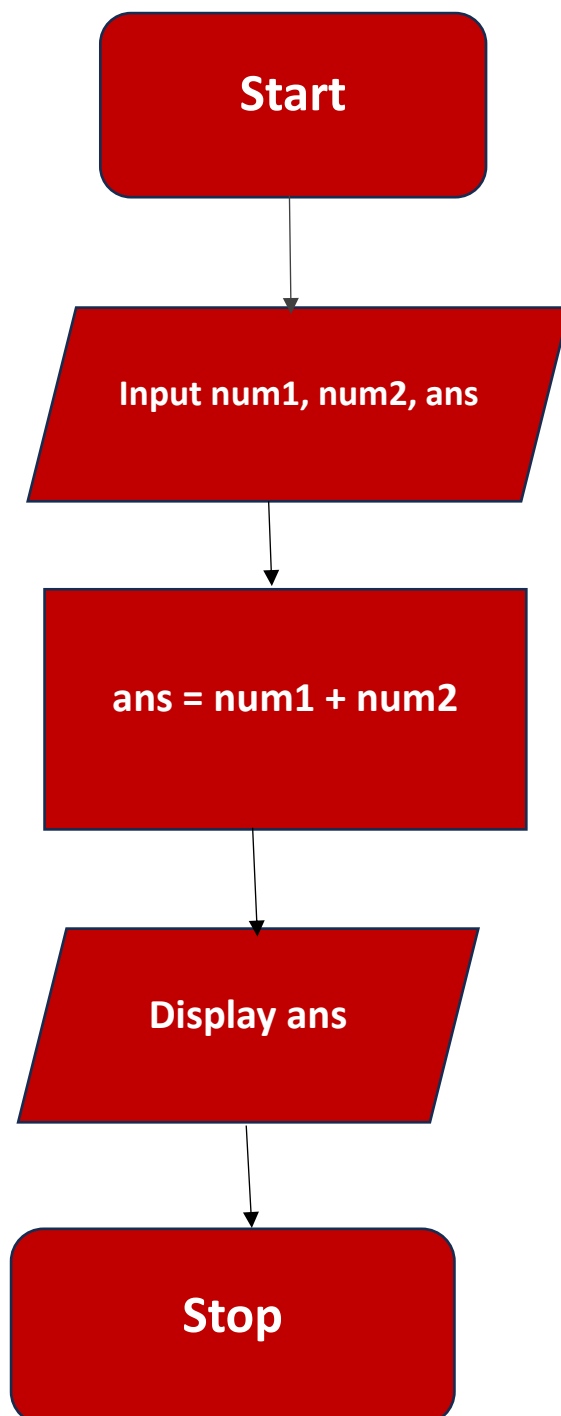
Flow chart is a blue print of any software. flow chart helps to see what is work and how the software work, Flow chart make the visualization of software easy to understand.



flowchart to make addition of two numbers:

Steps: -

- Start
- Input ans, num1 and num2
- In ans do the addition of num1 and num2
- Display ans
- Stop



Q. What is Use case Diagram? Create a use-case on bill payment on paytm.

- **USECASE DIAGRAM:**

1. Actor:

User Who Interacts with The System

2. Use-case:

Services Provided by The System.

3. System Boundary:

Scope of The System.

4. Relation:

Between Entities and Users or Themselves.

