



ASSIGNMENT – 1

MODULE - 1

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SDLC has 6 phase.

1. Requirement gathering
2. Analysis
3. Design
4. Implementation
5. Testing
6. Mentenance

What is SDLC ?

➔ Software Development Life Cycle



What is software testing ?

- Software testing is some time incorrectly fact activity and performed after programing is done for product.
- Testing is the process of evaluating a system or its components.
- It identify the correctness, completeness and quality.



What is agile methodology ?

- Agile model is a combination of iterative and incremental process model.
- Agile model's every project needs to be handled differently and the existing methods.



What is SRS?

- SRS is a complete description of the behavior of system to be developed.
- SRS has 3 types of requirements.

1. Customer requirements

2. Functional requirements

3. Non functional requirements



What is oops ?

- oops is an Object Oriented Programming.



Write basic concept of oops.

These are the basic components.

- Object
- Class
- Abstraction
- Encapsulation
- Inheritance
- Polymorphisam



What is object ?

- An entity which has own state and behaviour that is called an object.
- Ex: pen,paper,chair etc..



What is class ?

- Class is a collection of object.
- Ex: Human body



What is encapsulation ?

- Wrapping up of the data or binding of the data is called encapsulation.
- Ex: capsule



What is inheritance ?

- When one object acquire all the properties and behaviour of parent class is inheritance.
- Ex: Father - son

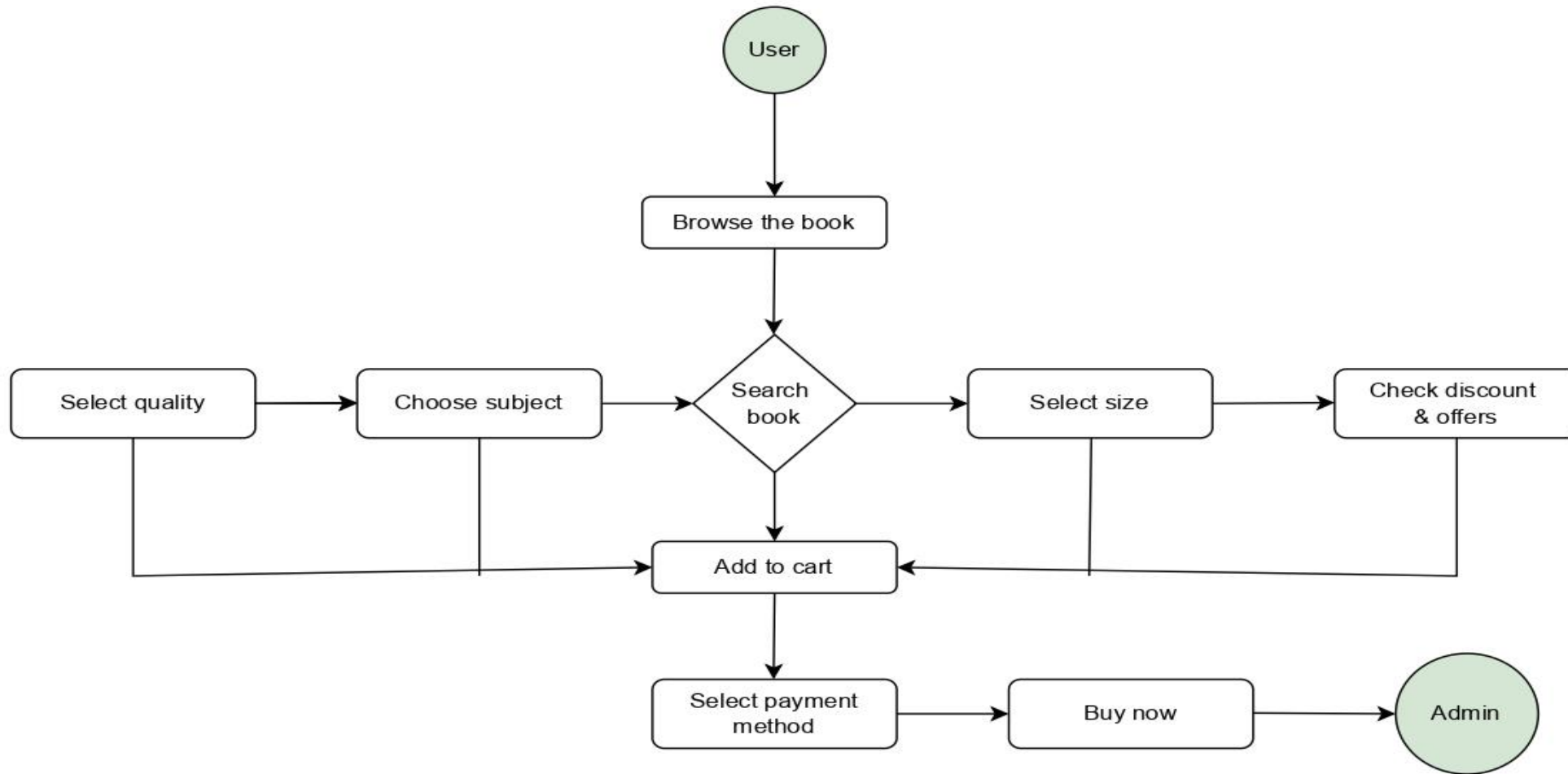


What is polymorphism ?

- Many ways to perform anything is called polymorphism.
- Ex: Method overloading
Method overriding

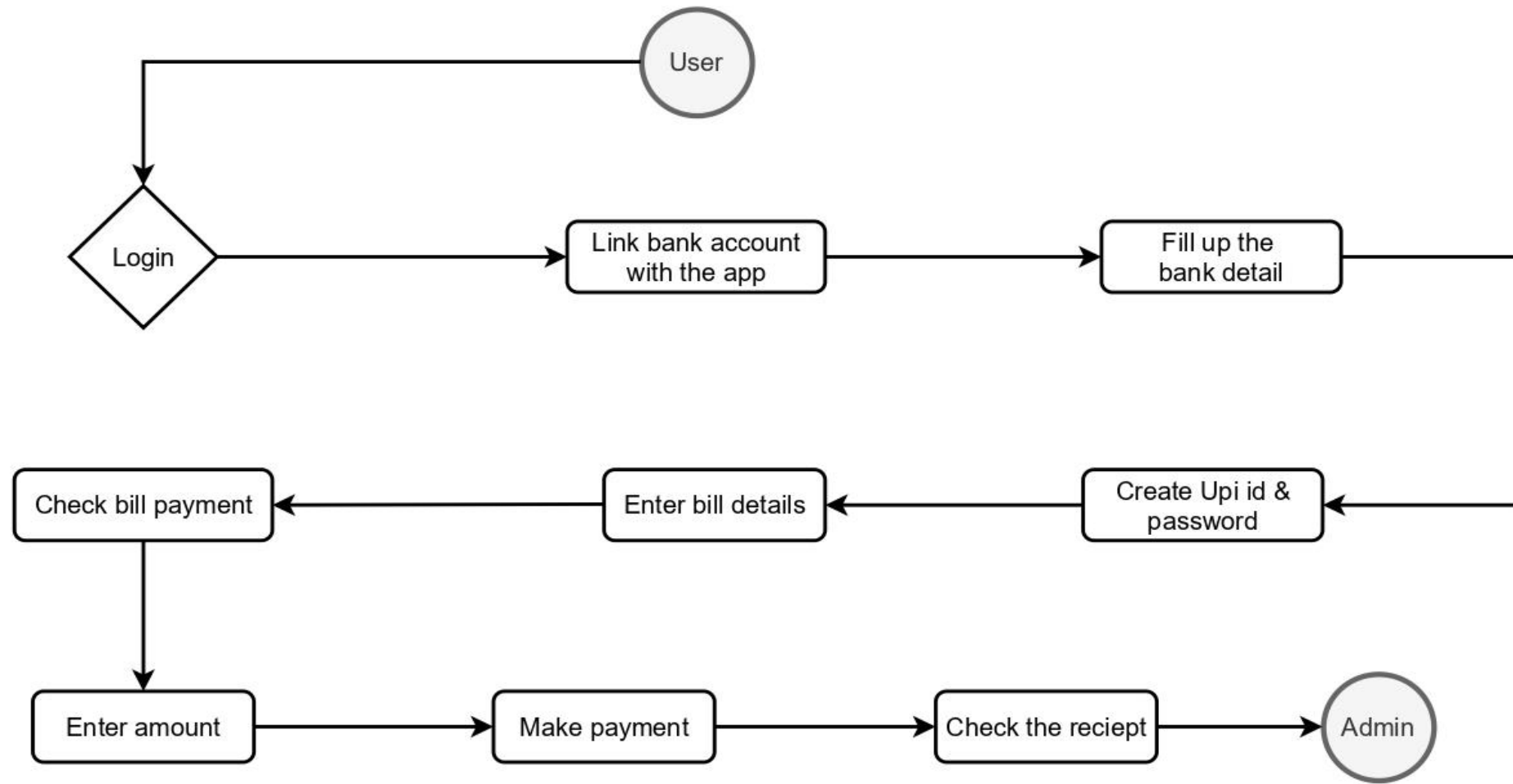


Draw usecase on online book shopping.





Draw usecase on online bill payment system.





Write SDLC phases with basic introduction.

- These are the SDLC phases.

1. Requirements

This involves gathering information and needs from clients.

2. Analysis

This involves specific software requirements from clients. (what)

3. Design

This involves overall structure and solution. (why)

4. Implementation

This involves development a solution in software.

5. Testing

This involves ensure that it meets the requirements correctly.

6. Mentenance

This involves ongoing support and repair defects.



Explain phases of the waterfall model.

- These are the phases of the waterfall model.

1. Requirements

- This includes client's need and requirements.

2. Analysis

- This includes detailed requirements of document.

3. Design

- This create the technical plan as blueprint.

4. Implementation

- The design is developed and tested individually during this.

5. Testing

- This includes testing for faults and performance issues.

6. Maintenance

- This phase is for ongoing support and bug fixes.



Write phases of spiral model.

- These are the phases of spiral model.

Planning

Risk analysis

Engineering

Customer evaluation

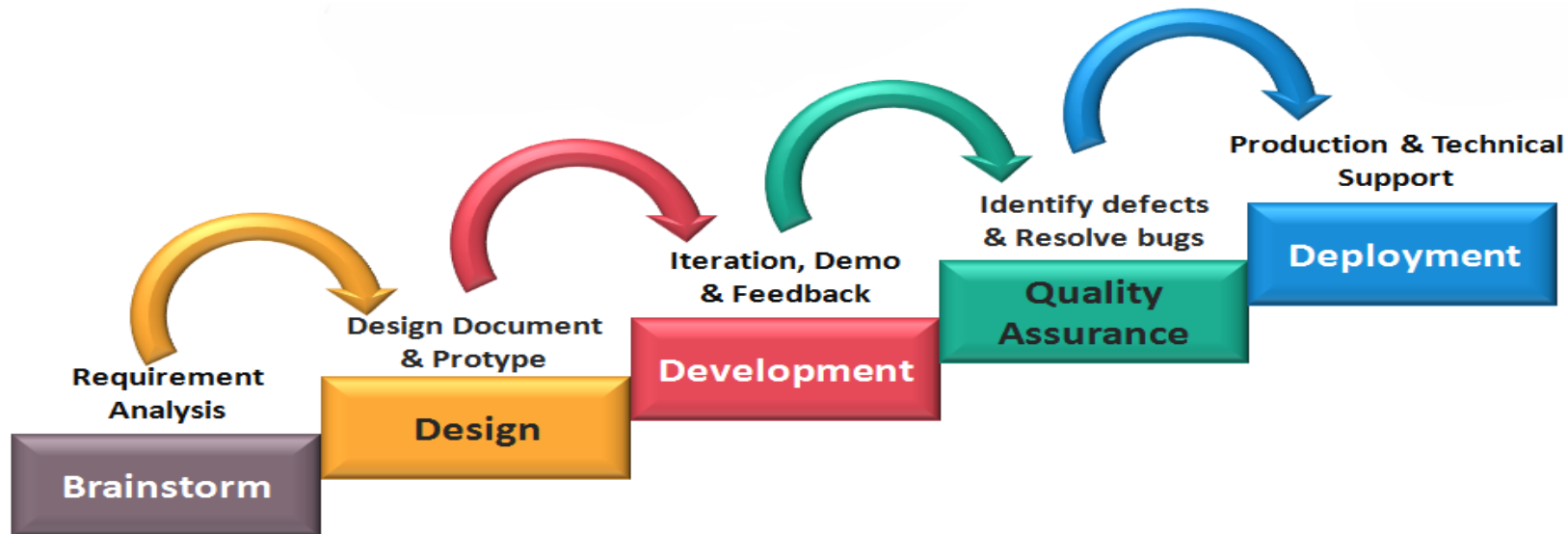


Write agile manifesto principles.

- These following are the agile manifesto principles.
- Customer satisfaction through early and continuous software delivery
- Accommodate changing requirements throughout the process
- Frequent delivery of working software
- Collaboration between the business stakeholders and developers
- Support, trust and motivate the people involved
- Enable face to face interaction
- Working software is the primary measure of progress
- Agile processes to support a consistent development
- Attention to technical detail and design enhancement
- Simplicity
- Regular reflections on how to become more effective



Explain working methodology of agile model and also write pros and cons.



Pros.

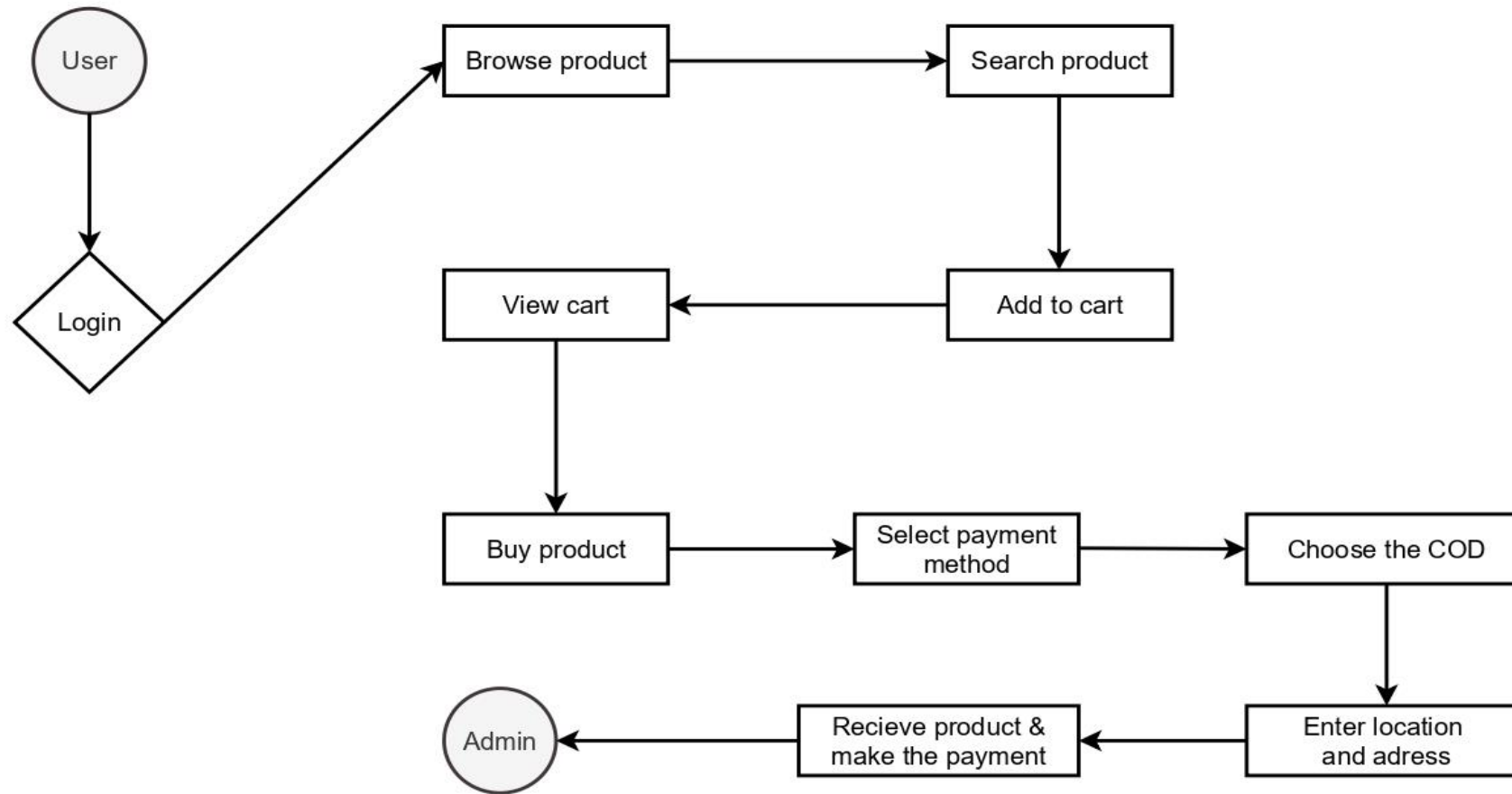
- Increase flexibility
- Faster time to market
- Higher satisfaction
- Improved collaboration
- Better risk management
- Best product quality

Cons.

- Reduce predictability
- Lack of comprehensive documentation
- Potential scope creeps
- Not for every project

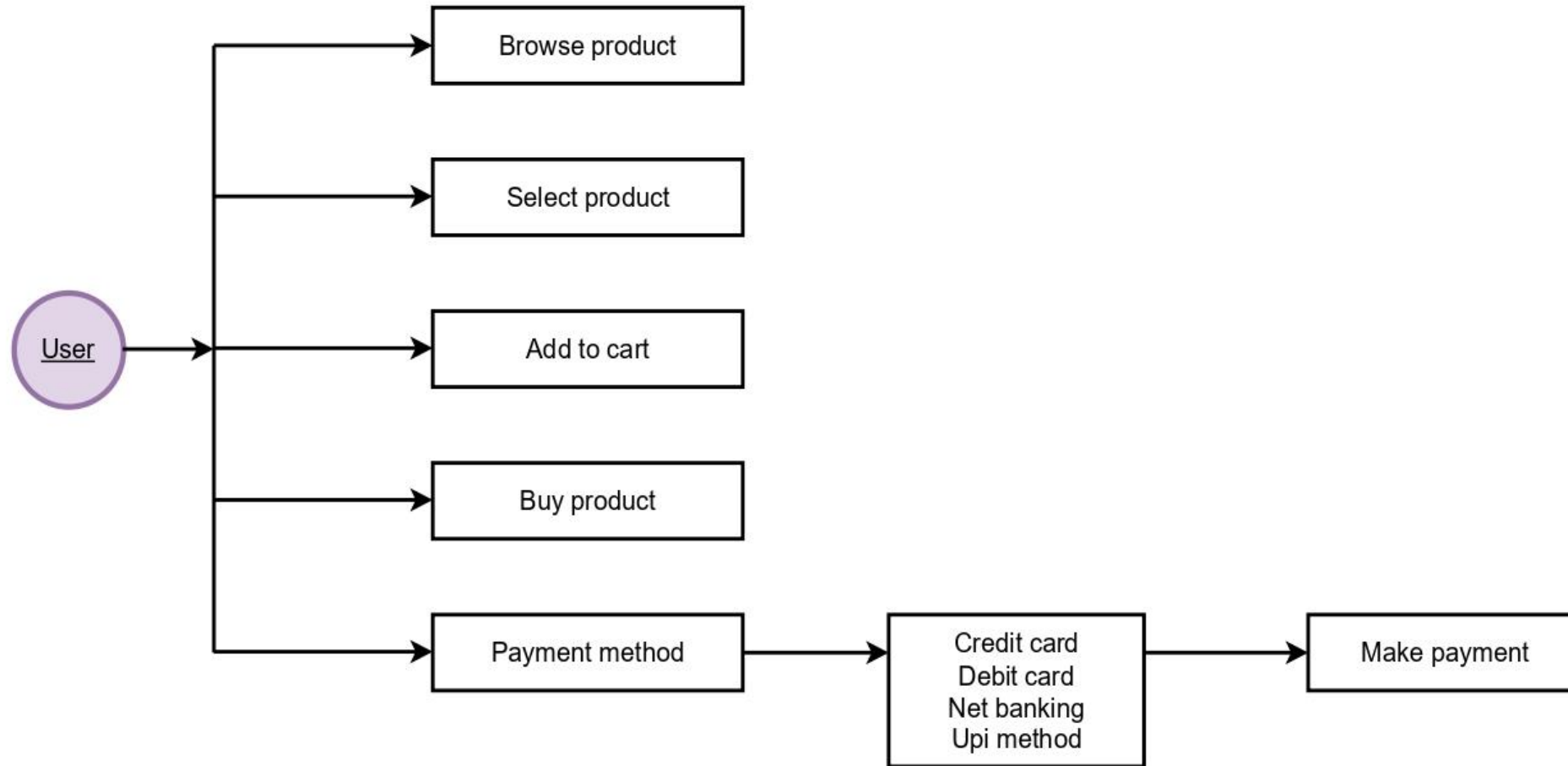


Draw usecase on online shopping product using COD.





Draw usecase on online shopping product using payment gateway.



THANK YOU....