Que 1. What is SDLC?

ANS :- A software development life cycle is essentially a series of steps, or phases, that provide a model for the development and lifecycle management of an application or piece of software.

Que 2. What is software testing?

ANS :- Software testing is a process used to identify the correctness, completeness, and quality of developed computer software.

Que 3. What is agile methodology?

ANS :-

- Agile SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product.
- Agile methods break the product into small incremental builds.
- These builds are provided in iterations.
- Each iterations typically lasts from about one to three weeks.

Que 4. What is SRS?

ANS :-

- A software requirement specifications (SRS) is a complete description of the behaviours of the system to be developed.
- It include a set of use cases that describe all of the iterations that the users will have with the software.
- Use cases are also known as functional requirement. In addition to use cases, the SRS also contains non-functional (or supplementary) requirement.

Que 5. What is OOPs?

ANS :-

- Object oriented programming is way of writing the program in organized way.
- Object are like a black box where data are hidden.
- Security.
- less space occupy.
- Less code redundancy.

Que 7. Write basic concept of OOPs?

ANS :-

- Class
- Object
- Inheritance
- Polymorphism
- Encapsulation
- Abstract

Que 8. What is Object?

ANS :- Object gives the permission to access functionally of class.

Que 9. What is Class?

Ans :- Class is a collection of data member and member function.

Que 10. What is Encapsulation?

ANS :- The process wrapping the data in a single unit. To secure the data from outside world.
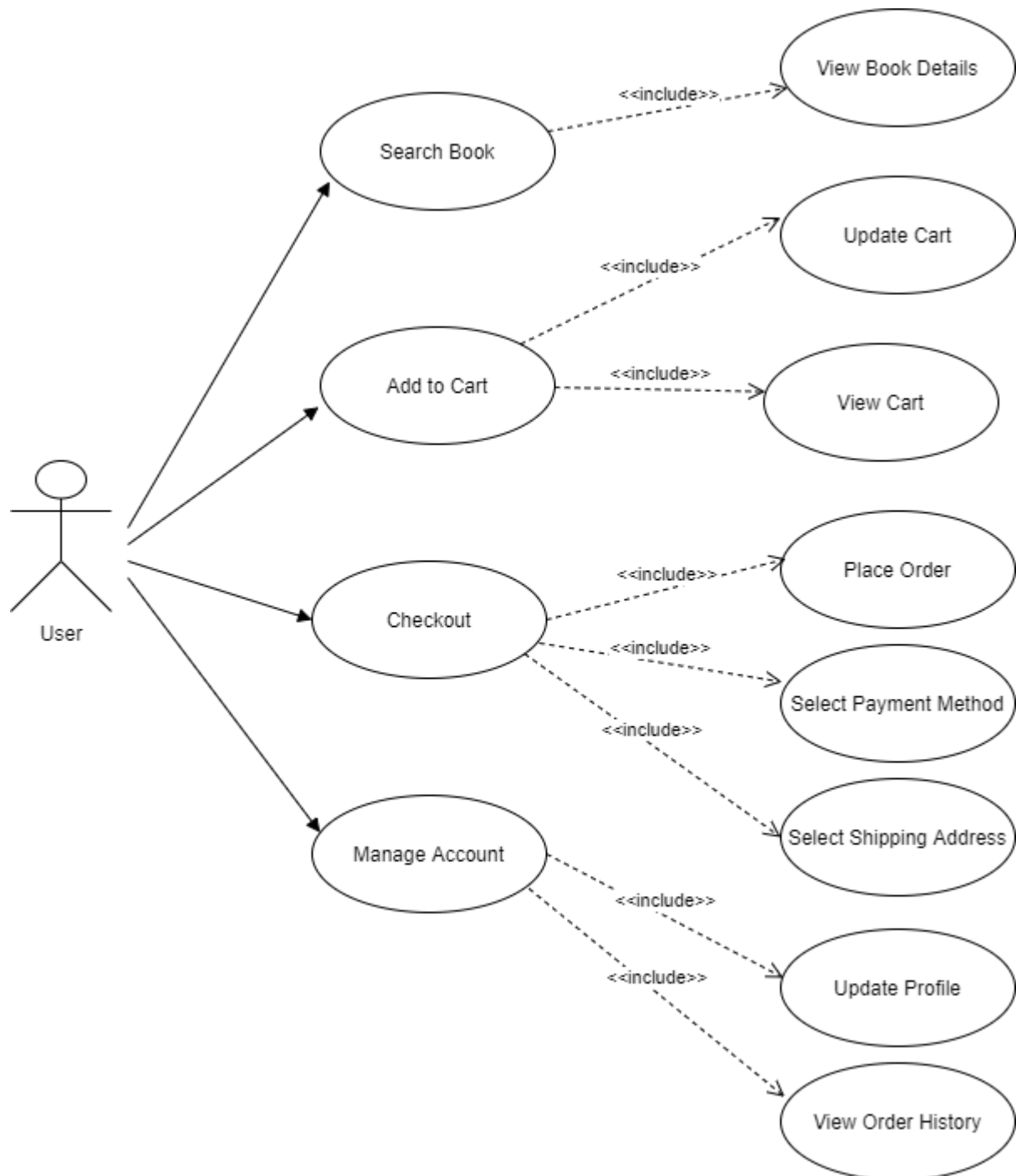
Que 11. What is Inheritance?

ANS :- Making class from an exixting class. Deriving the attribute of some other class.

Que 12. What is Polymorphism?

ANS :- One name multiple form.

Que 13. Draw usecase on online book shopping?

ANS :-

Que 14. Draw usecase on online bill payment system (paytm)

ANS :-

Que 15. Write SDLC phases with basic introduction ?

ANS :- SDLC phases

Requirement Collection/Gathering	Establish customer needs
Analysis	Model and specify the requirements – "What"
Design	Model and specify a solution – "Why"
Implementation	Construct a solution in software
Testing	Validate the solution against the requirement
Maintenances	Repair defects and adapt the solution to the new requirement.

Que 16. Explain phases of the waterfall model?

ANS :-

- There are 6 phases in a waterfall model. Requirement collection, Analysis, Design, Implementation, Testing, and Maintenance.
- Requirement are very well documented, clear and fixed.
- Product definition is stable.
- Technology is understood and is not dynamic.
- There are no ambiguous requirements.
- The project is short.

Que 17. Write phases of spiral model?

ANS :-

It has 4 phases

- The planning of objectives ,
- Risk analysis ,
- Engineering or development ,
- and finally review.

Que 18. Write agile manifesto principles?

ANS :-

- Individuals and interactions over processes and tools
- Working software over comprehensive documentation.
- Customer collaboration over contract negotiation.
- Responding to change over following a plan.

Que 19. Explain working methodology of agile model and also write pros and cons?

ANS :-

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Pros :-

- Is a very realistic approach to software development.
- Promote teamwork and cross training.
- Resource requirement are minimum.
- Suitable for fixed or changing requirements.
- Minimal rules , documentation easily employed.
- Little or no planning required.
- Easy to manage.

Cons :-

- There is very high individual dependency , since there is minimum documentation generated.
- Transfer of technology to new team members may be quite challenging due to lack of documentation.

Que 20. Draw usecase on online shopping product using COD?

ANS :-

Que 21. Draw usecase on online shopping product using payment gateway?

ANS :-