1. What is SDLC ?

Ans- SDLC is a structure imposed on the development of a software product.

2. What is agile methodology ?

Ans- Agile methodology is a combination of iterative and incremental process model with focus on process adaptability and customer satisfaction by rapid delivery of working software product.

3. What is SRS ?

Ans- SRS is a complete description of the behaviour of the system to the development.

4. What is oops ?

Ans- identifying objects and assigning responsibilities to these objects.

5. Write basic concept of oops ?

Ans- class, Object,Encapsulation, Abstraction,Polymorphism,Inheritance.

6. What is object ?

Ans- object is an instrance / eg of a class.

7. What is class ?

Ans- it is a blueprint of an object.

8. What is encapsulation ?

Ans- - it is the process of wrapping up of data into a single unit.

9. What is inheritance ?

Ans- one class inherits the characteristics of another class.

10. What is polymorphism ?

Ans- Polymorphism having many forms.

11. Write SDLC phases with basic introduction.

Ans- REQUIREMENTS – establish customer needs.

   ANALYSIS – model and specify the requirements.

   DESIGN – model and specify the solution.

   IMPLEMENTATION – construct a solution in software.

TESTING – validate the solution against the requirements.

MAINTENANACE – repair defects and adapt the solution to the new requirements.

12. Explain phases of the waterfall model.

Ans- the classical software lifecycle models the software developments as a step-by-step waterfall between the various development phases

13 . write the phases of spiral model.

Ans- planning- determination of objectives,alternatives and constrains.

Risk analysis- analysis of alternatives and identification or resolution of risk.

Engineering- development of the next level product.

Customer evation- assessment of the results of engineering.

14. Write agile manifesto principles.

Ans-   Individuals and interactions

Working software

Customer collaboration

Responding to change

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

Ans- working-agile SDLC model is the combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product.
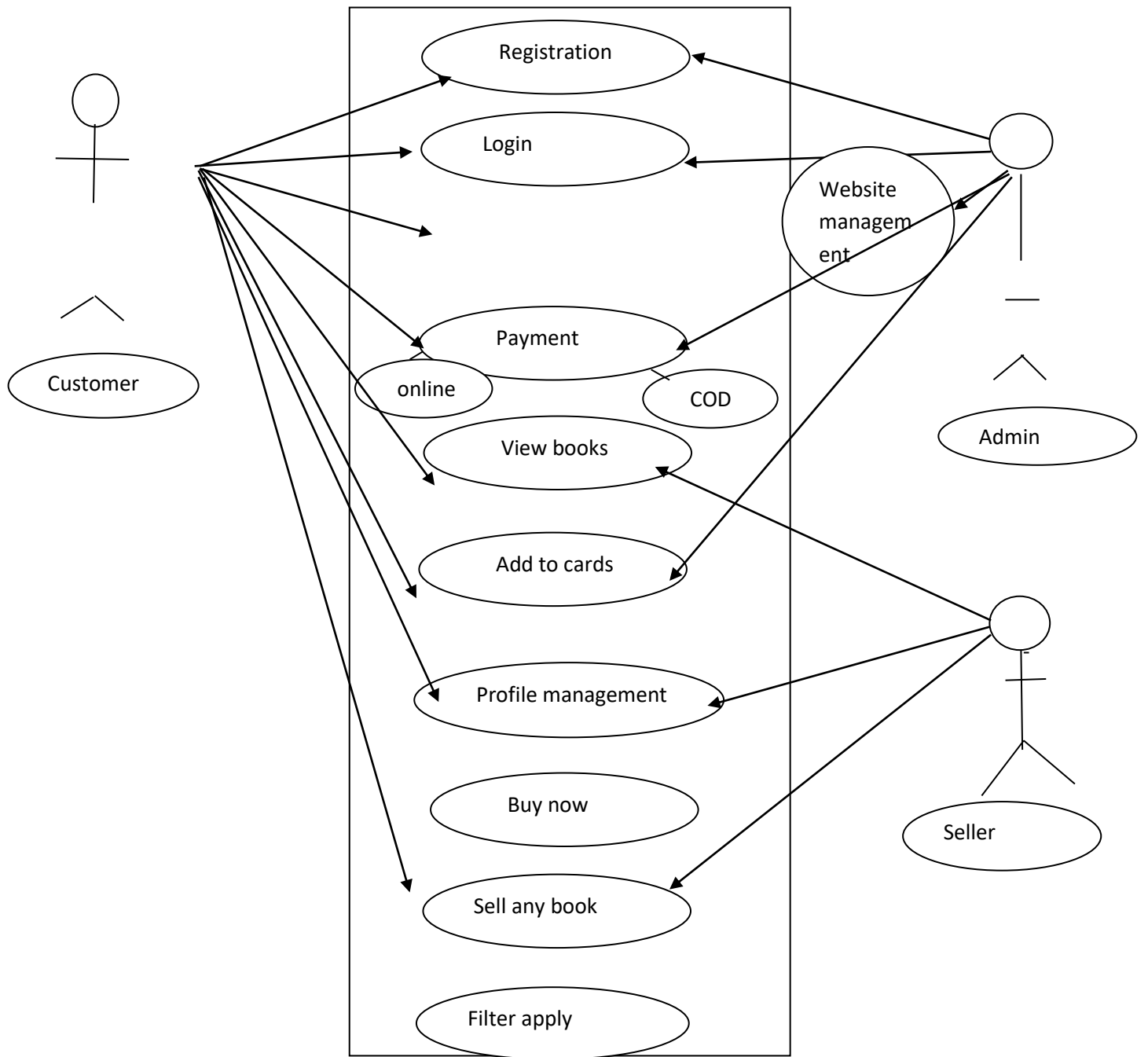
Pros- easy to manage

Give flexibility to developers.

Cons- not suitable for handlng complex dependencies.

More risk of maintainability,extensibility.

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