

IT 22- Software Project Management

1. What is the primary role of a project manager in the linear project management framework?

- A. Code development
- B. Resource allocation
- C. Risk analysis
- D. Quality assurance

Answer: B. Resource allocation

2. Which tool is commonly used for resource allocation, scheduling, and Gantt chart creation in project management?

- A. MS Excel
- B. MS PowerPoint
- C. MS Project
- D. MS Word

Answer: C. MS Project

3. Which model is used for software project estimation and involves breaking down the project into different stages?

- A. COCOMO-I
- B. COCOMO-II
- C. Delphi estimation
- D. Function Point Analysis

Answer: A. COCOMO-I

4. What is the purpose of the SEI Capability Maturity Model (CMM) in software project estimation?

- A. To estimate project costs
- B. To assess the maturity of an organization's processes
- C. To manage project risks
- D. To schedule project tasks

Answer: B. To assess the maturity of an organization's processes

5. Which agile concept involves breaking down the project into small, manageable tasks?

- A. User stories
- B. Sprint backlog
- C. Product backlog
- D. Swim lanes

Answer: A. User stories

6. Who is responsible for prioritizing tasks and managing the product backlog in agile project management?

- A. Scrum Master
- B. Product Owner
- C. Development Team
- D. Project Manager

Answer: B. Product Owner

7. What is the purpose of sprint velocity in agile project management?

- A. To estimate project costs
- B. To measure the progress of the development team
- C. To schedule project tasks
- D. To manage project risks

Answer: B. To measure the progress of the development team

8. Which agile artifact is used to visualize the flow of tasks through different stages of development?

- A. Swim lanes
- B. Sprint backlog
- C. Product backlog
- D. Kanban board

Answer: D. Kanban board

9. What is the primary benefit of using agile project management?

- A. Predictability in project outcomes
- B. Detailed documentation of project requirements
- C. Flexibility to adapt to changing requirements
- D. Strict adherence to project timelines

Answer: C. Flexibility to adapt to changing requirements

10. Which agile report is used to track the progress of tasks on a daily basis?

- A. Sprint burn down chart
- B. Daily report
- C. Product backlog
- D. Sprint backlog

Answer: B. Daily report

11. What is the purpose of the sprint burn down chart in agile project management?

- A. To track the progress of tasks on a daily basis
- B. To visualize the flow of tasks through different stages of development
- C. To measure the progress of the development team
- D. To estimate project costs

Answer: A. To track the progress of tasks on a daily basis

12. Which tool is commonly used for version control and project management in agile development?

- A. Git
- B. SVN
- C. Mercurial
- D. CVS

Answer: A. Git

13. What is the purpose of continuous integration in agile development?

- A. To track the progress of tasks on a daily basis
- B. To manage project risks
- C. To automate the process of integrating code changes
- D. To estimate project costs

Answer: C. To automate the process of integrating code changes

14. Which agile artifact is used to prioritize tasks based on their importance to the project?

- A. Sprint backlog
- B. Product backlog
- C. Kanban board
- D. Swim lanes

Answer: B. Product backlog

15. What is the primary purpose of the project backlog in agile development?

- A. To visualize the flow of tasks through different stages of development
- B. To estimate project costs
- C. To prioritize tasks based on their importance to the project
- D. To track the progress of tasks on a daily basis

Answer: C. To prioritize tasks based on their importance to the project

16. Which tool is commonly used for resource allocation, scheduling, and Gantt chart creation in project management?

- A. MS Excel
- B. MS PowerPoint
- C. MS Project
- D. MS Word

Answer: C. MS Project

17. What is the purpose of the SEI Capability Maturity Model (CMM) in software project estimation?

- A. To estimate project costs
- B. To assess the maturity of an organization's processes
- C. To manage project risks
- D. To schedule project tasks

Answer: B. To assess the maturity of an organization's processes

18. Who is responsible for prioritizing tasks and managing the product backlog in agile project management?

- A. Scrum Master
- B. Product Owner
- C. Development Team
- D. Project Manager

Answer: B. Product Owner

19. What is the purpose of sprint velocity in agile project management?

- A. To estimate project costs
- B. To measure the progress of the development team
- C. To schedule project tasks
- D. To manage project risks

Answer: B. To measure the progress of the development team

20. Which agile concept involves breaking down the project into small, manageable tasks?

- A. User stories
- B. Sprint backlog
- C. Product backlog
- D. Swim lanes

Answer: A. User stories

21. What is the primary benefit of using agile project management?

- A. Predictability in project outcomes
- B. Detailed documentation of project requirements
- C. Flexibility to adapt to changing requirements
- D. Strict adherence to project timelines

Answer: C. Flexibility to adapt to changing requirements

22. Which agile artifact is used to visualize the flow of tasks through different stages of development?

- A. Swim lanes
- B. Sprint backlog
- C. Product backlog
- D. Kanban board

Answer: D. Kanban board

23. What is the purpose of the sprint burn down chart in agile project management?

- A. To track the progress of tasks on a daily basis
- B. To visualize the flow of tasks through different stages of development
- C. To measure the progress of the development team
- D. To estimate project costs

Answer: A. To track the progress of tasks on a daily basis

24. Which tool is commonly used for version control and project management in agile development?

- A. Git
- B. SVN
- C. Mercurial
- D. CVS

Answer: A. Git

25. What is the purpose of continuous integration in agile development?

- A. To track the progress of tasks on a daily basis
- B. To manage project risks
- C. To automate the process of integrating code changes
- D. To estimate project costs

Answer: C. To automate the process of integrating code changes

26. Which agile artifact is used to prioritize tasks based on their importance to the project?

- A. Sprint backlog
- B. Product backlog
- C. Kanban board
- D. Swim lanes

Answer: B. Product backlog

27. What is the primary purpose of the project backlog in agile development?

- A. To visualize the flow of tasks through different stages of development
- B. To estimate project costs
- C. To prioritize tasks based on their importance to the project
- D. To track the progress of tasks on a daily basis

Answer: C. To prioritize tasks based on their importance to the project

28. Which tool is commonly used for resource allocation, scheduling, and Gantt chart creation in project management?

- A. MS Excel
- B. MS PowerPoint
- C. MS Project
- D. MS Word

Answer: C. MS Project

29. What is the purpose of the SEI Capability Maturity Model (CMM) in software project estimation?

- A. To estimate project costs
- B. To assess the maturity of an organization's processes
- C. To manage project risks
- D. To schedule project tasks

Answer: B. To assess the maturity of an organization's processes

30. Who is responsible for prioritizing tasks and managing the product backlog in agile project management?

- A. Scrum Master
- B. Product Owner
- C. Development Team
- D. Project Manager

Answer: B. Product Owner

31. What is the purpose of sprint velocity in agile project management?

- A. To estimate project costs
- B. To measure the progress of the development team
- C. To schedule project tasks
- D. To manage project risks

Answer: B. To measure the progress of the development team

32. Which agile concept involves breaking down the project into small, manageable tasks?

- A. User stories
- B. Sprint backlog
- C. Product backlog
- D. Swim lanes

Answer: A. User stories

33. What is the primary benefit of using agile project management?

- A. Predictability in project outcomes
- B. Detailed documentation of project requirements
- C. Flexibility to adapt to changing requirements
- D. Strict adherence to project timelines

Answer: C. Flexibility to adapt to changing requirements

34. Which agile artifact is used to visualize the flow of tasks through different stages of development?

- A. Swim lanes
- B. Sprint backlog
- C. Product backlog
- D. Kanban board

Answer: D. Kanban board

35. What is the purpose of the sprint burn down chart in agile project management?

- A. To track the progress of tasks on a daily basis
- B. To visualize the flow of tasks through different stages of development
- C. To measure the progress of the development team
- D. To estimate project costs

Answer: A. To track the progress of tasks on a daily basis

36. Which tool is commonly used for version control and project management in agile development?

- A. Git
- B. SVN
- C. Mercurial
- D. CVS

Answer: A. Git

37. What is the purpose of continuous integration in agile development?

- A. To track the progress of tasks on a daily basis
- B. To manage project risks
- C. To automate the process of integrating code changes
- D. To estimate project costs

Answer: C. To automate the process of integrating code changes

38. Which agile artifact is used to prioritize tasks based on their importance to the project?

- A. Sprint backlog
- B. Product backlog
- C. Kanban board
- D. Swim lanes

Answer: B. Product backlog

39. What is the primary purpose of the project backlog in agile development?

- A. To visualize the flow of tasks through different stages of development
- B. To estimate project costs
- C. To prioritize tasks based on their importance to the project
- D. To track the progress of tasks on a daily basis

Answer: C. To prioritize tasks based on their importance to the project

40. Which tool is commonly used for resource allocation, scheduling, and Gantt chart creation in project management?

- A. MS Excel
- B. MS PowerPoint
- C. MS Project
- D. MS Word

Answer: C. MS Project

41. What is the purpose of the SEI Capability Maturity Model (CMM) in software project estimation?

- A. To estimate project costs
- B. To assess the maturity of an organization's processes
- C. To manage project risks
- D. To schedule project tasks

Answer: B. To assess the maturity of an organization's processes

42. Who is responsible for prioritizing tasks and managing the product backlog in agile project management?

- A. Scrum Master
- B. Product Owner
- C. Development Team
- D. Project Manager

Answer: B. Product Owner

43. What is the purpose of sprint velocity in agile project management?

- A. To estimate project costs
- B. To measure the progress of the development team
- C. To schedule project tasks
- D. To manage project risks

Answer: B. To measure the progress of the development team

44. Which agile concept involves breaking down the project into small, manageable tasks?

- A. User stories
- B. Sprint backlog
- C. Product backlog
- D. Swim lanes

Answer: A. User stories

45. What is the primary benefit of using agile project management?

- A. Predictability in project outcomes
- B. Detailed documentation of project requirements
- C. Flexibility to adapt to changing requirements
- D. Strict adherence to project timelines

Answer: C. Flexibility to adapt to changing requirements

46. Which agile artifact is used to visualize the flow of tasks through different stages of development?

- A. Swim lanes
- B. Sprint backlog
- C. Product backlog
- D. Kanban board

Answer: D. Kanban board

47. What is the purpose of the sprint burn down chart in agile project management?

- A. To track the progress of tasks on a daily basis
- B. To visualize the flow of tasks through different stages of development
- C. To measure the progress of the development team
- D. To estimate project costs

Answer: A. To track the progress of tasks on a daily basis

48. Which tool is commonly used for version control and project management in agile development?

- A. Git
- B. SVN
- C. Mercurial
- D. CVS

Answer: A. Git

49. What is the purpose of continuous integration in agile development?

- A. To track the progress of tasks on a daily basis
- B. To manage project risks
- C. To automate the process of integrating code changes
- D. To estimate project costs

Answer: C. To automate the process of integrating code changes

50. Which agile artifact is used to prioritize tasks based on their importance to the project?

- A. Sprint backlog
- B. Product backlog
- C. Kanban board
- D. Swim lanes

Answer: B. Product backlog