

1. **Why is timely delivery crucial in software project management, and how can project managers ensure that deadlines are met?**
  - Timely delivery ensures client satisfaction, prevents cost overruns, and maintains project momentum.
  - Project managers can ensure deadlines are met by:
    - Setting realistic timelines.
    - Prioritizing tasks.
    - Monitoring progress with tools (e.g., Gantt charts).
    - Adjusting resources as needed.
2. **How does effective cost control contribute to the success of a software project? What strategies can be used to prevent budget overruns?**
  - Cost control ensures resources are used efficiently, preventing project delays or cancellations.
  - Strategies include:
    - Creating a detailed budget plan.
    - Tracking expenses in real-time.
    - Prioritizing tasks based on ROI.
    - Using contingency funds.
3. **Compare and contrast Agile and Waterfall methodologies. What are the main advantages and disadvantages of each?**
  - **Agile:** Flexible, iterative, adaptive to change.
    - Advantages: Faster feedback, better for evolving requirements.
    - Disadvantages: Less predictability, requires active client involvement.
  - **Waterfall:** Sequential, structured, with fixed phases.
    - Advantages: Clear milestones, better for stable requirements.
    - Disadvantages: Inflexible to changes, long wait for product feedback.
4. **In what types of projects might Agile be more beneficial than Waterfall, and vice versa? Can you provide examples of each?**
  - **Agile:** Best for dynamic, evolving projects (e.g., software startups, mobile app development).
  - **Waterfall:** Better for projects with clear, fixed requirements (e.g., government contracts, large-scale infrastructure software).
5. **What are some methods for ensuring quality assurance throughout a software project? Why is it important to maintain high standards?**
  - Methods include:
    - Automated testing (unit, integration).
    - Code reviews.
    - Regular feedback loops.
    - Continuous integration (CI/CD).
  - High standards ensure fewer bugs, better user satisfaction, and long-term maintainability.
6. **How does defining the project scope contribute to successful project planning? What is a Work Breakdown Structure (WBS), and why is it useful?**

- Defining the scope sets clear boundaries for deliverables and timelines.
  - **WBS**: A hierarchical breakdown of tasks and deliverables, helping allocate resources and monitor progress.
7. **What are the benefits of developing a detailed project schedule, and how can Gantt charts assist in this process?**
- Benefits:
    - Better time management.
    - Clear visibility of task dependencies.
    - Early identification of bottlenecks.
  - **Gantt charts** visually map out timelines, task sequences, and progress.
8. **What are the core issues that your software aims to address? Why are these problems significant to your target audience?**
- Core issues: Lack of local professional service connections.
  - Significant because it helps users find trusted professionals quickly, solving a common convenience and reliability problem.
9. **How can clearly defining the problem help in developing a more effective software solution?**
- Helps focus on user needs, ensures feature relevance, and prevents scope creep.
10. **How would you describe your software solution in a way that captures its essence without diving into technical details?**
- "Our app connects users with reliable local professionals, ensuring quick and trustworthy service."
11. **What are the main features or functionalities that make your software stand out?**
- User-friendly interface, professional vetting, real-time availability, location-based matching, and secure payment.
12. **What data is available regarding the market size and growth potential for your software?**
- Local service apps are growing, with significant potential in under-served regions where finding professionals is still challenging.
13. **How can understanding market trends inform your software's positioning and development?**
- It helps identify user demands, highlight unique selling points, and adapt to competitive trends for better market fit.