

Requirement Gathering

- 1. User Management:
- ➤ User registration and authentication (admin, technician, customer).
- ➤ User roles and permissions (admin, technician, customer).
- Password recovery and security features.
- 2. Customer Management:
- > Customer registration and profile management.
- Customer contact information storage.
- Customer communication tools (email).
- 3. Laptop Intake:
- Logging and tracking of laptops brought in for repair.
- Capture customer and laptop details (make, model, serial number).
- Assignment of a unique repair ticket or reference number.
- 4. Repair Request Handling:
- > Recording customer complaints or issues.
- Prioritization of repair requests (e.g., urgent, standard, low priority).
- Attachments for photos, invoices, or documents.
- 6. Technician Management:
- > Technician profiles and skills.
- Assignment of repair tasks to technicians.
- Workload distribution and tracking.
- 7. Billing and Invoicing:
- Generation of repair estimates and invoices.
- > Integration with payment gateways.
- > Record keeping of all transactions.
 - 8. Security and Privacy:
- Data encryption and protection.
- > User access control and authentication.
- Compliance with data protection regulations.
- 9. Maintenance and Support:
- System updates and bug fixes.
- Helpdesk or customer support features.

10. Product Exchange Management:

➤ Listing and Management: Allow users to list pre-owned laptops and computers for exchange, including details such as brand, model, condition, and desired exchange products.

- ➤ Search and Filtering: Provide users with the ability to search and filter exchange listings based on their preferences.
- Exchange Request Handling: Enable users to submit exchange requests, specifying the device they want to exchange and the desired product.
- Approval and Tracking: Admins should be able to review and approve/reject exchange requests, with users able to track the status of their requests.
- ➤ Delivery Coordination: Facilitate the pickup of exchanged products from the user's location and the delivery of exchanged products to the designated user's location.

11. Online Consultation Feature:

- ➤ Real-time Chat: Implement a real-time chat feature allowing users to engage in online consultations with certified technicians to discuss minor problems and receive immediate guidance.
- Appointment Scheduling: Enable users to schedule online consultation appointments with technicians based on their availability.
- File Sharing: Allow users to share files, such as diagnostic reports or images of the issue, during online consultations for better diagnosis and troubleshooting.

12.Feedback and Rating System:

- > Service Feedback: Implement a feedback system allowing users to rate and review the quality of services received, including repair tasks, online consultations, and exchange transactions.
- ➤ Technician Ratings: Enable users to rate individual technicians based on their expertise, professionalism, and effectiveness in resolving issues.
- ➤ Product Feedback: Allow users to provide feedback on exchanged products, helping other users make informed decisions.

Feasibility Study Report:

Introduction

The "Online Computer/Laptop Service Website" is an innovative web-based platform meticulously crafted to deliver comprehensive repair and servicing solutions for computer/laptop devices. Our primary objective is to seamlessly connect computer/laptop device owners with seasoned professional technicians, providing a user-friendly and efficient avenue to address a myriad of issues affecting their devices.

In addition to our robust repair and servicing offerings, our platform introduces a unique feature facilitating the exchange of second-hand products, specifically laptops and computers. We acknowledge the growing demand for sustainable and cost-effective solutions, thus aiming to establish a vibrant marketplace where users can not only seek expert assistance for their device issues but also conveniently trade or purchase pre-owned laptops and computers.

Objectives

- 1. Evaluate the technical feasibility of developing an online laptop/computer management system.
- 2. Assess the operational feasibility of implementing the system within the existing laptop/computer system.
- 3. Analyze the economic feasibility, including cost estimates and potential revenue streams.
- 4. Determine the scheduling feasibility and project timeline.

1. Technical Feasibility

- Hardware and Software Requirements: Identifying the necessary hardware and software components for system development.
- Technical Expertise: Evaluating the availability of skilled developers and technical resources.
- Security and Privacy: Ensuring compliance with data security and privacyregulations.
- Integration Capabilities: Assessing the system's ability to integrate with existing laptop/computer system and technologies.

2. Operational Feasibility

- User Acceptance: Gathering feedback from potential users to ensure they embrace the system.
- Business Processes: Analyzing how the system will affect existing laptop repairing work flows and identifying potential improvements.
- Change Management: Developing strategies for smooth repairing and addressing resistance to change.

3. Economic Feasibility

- Cost Estimation: Estimating the development, implementation, andmaintenance costs of the system.
- Revenue Projections: Identifying potential revenue streams, such as subscription fees, advertising, or partnerships.
- Return on Investment (ROI): Calculating the expected ROI and payback period.

4. Scheduling Feasibility

- Scheduling feasibility involves planning the project timeline:
- Project Phases: Dividing the project into manageable phases with specificmilestones.
- Resource Allocation: Allocating human and financial resources to each phase.
- Risk Assessment: Identifying potential project risks and mitigation strategies.

5. Behavioral Feasibility

The presented system encompasses the subsequent inquiries:

- Is there sufficient support for the users
- > YES
- Will the proposed system cause harm?
- > No

Feasibility Study Questionnaire

- 1. What is the primary purpose of your laptop repair website?
 - The primary purpose of the website is to offer convenient and reliable laptop repair services to customers through an online platform.
- 2. Does the system provide a robust mechanism for safeguarding user information, thereby ensuring optimal security?
- ✓ The system guarantees a high level of security in the storage of user information.
- 3. What sets your laptop repair website apart from competitors?
- ✓ Our website distinguishes itself by providing transparent pricing, a userfriendly interface, and a team of skilled technicians to ensure high-quality repairs.
- 4. What features will your website have to facilitate laptop repair requests?
- ✓ The website will feature an easy-to-use repair request form, real-time repair status tracking, secure payment options, and a knowledge base with DIY repair tips
- 5. Can users book technicians for repairing?
- ✓ Yes, users can book technicians for repairing.
- 6. Are online transactions available for payments?
- ✓ Yes, online transactions are available for payments.
- 7. Does the system ensure high security for storing user information?
- ✓ Yes, the system ensures high security for storing user information.
- 8. Is it possible for users to communicate with technicians via a chat box?
- ✓ It is possible for users to engage in communication with technicians via a chat box
- 9. What options do users have for exchanging second-hand products on your platform?
- ✓ Users can exchange second-hand products such as laptops and computers on our platform.
- 10. How does the platform ensure the quality and reliability of second-hand products exchanged?
- ✓ Our platform employs measures to ensure the quality and reliability of second-hand products exchanged, such as verification processes and user reviews.

- 11. What sets your platform's exchange feature apart from competitors in the market?
- ✓ Our platform distinguishes itself by providing a seamless and secure exchange process, transparent pricing, and a wide selection of quality second-hand products.
- 12. Are there any specific criteria for listing second-hand products for exchange on the platform?
- ✓ Yes, there may be specific criteria for listing second-hand products for exchange, such as providing details about the product's condition, model, and any included accessories.
- 13. How does the platform handle the logistics of exchanging second-hand products between users?
- ✓ Our platform facilitates the logistics of exchanging second-hand products between users, including pickup and delivery services or designated meetup locations.
- 14. What measures are in place to ensure the security and privacy of users during the exchange process?
- ✓ Our platform implements security and privacy measures to protect users' personal information and ensure a secure exchange process.
- 15. Can users leave feedback or reviews about their experiences with exchanging second-hand products on the platform?
- Yes, users can leave feedback or reviews about their experiences with exchanging second-hand products on the platform, helping to build trust and transparency within the community.