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Module No:	BMSK4014
Module Title:	Problem solving

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Introduction

Single caravan rental booking problems (Steamdrivenandy, 2024) can be caused by things like incorrect availability, duplicate bookings, and poor customer booking platform communication. This issue affects both the caravan owner, who can lose out on income or deal with unhappy customers, and the customers, who might get upset or annoyed if there are last-minute cancellations or overbooked dates. These problems may lead to unhappy

clients who write bad reviews, damaging the business's reputation and preventing more reservations. likewise, addressing booking issues may require additional time and resources from the caravan owner, which could result in operational inefficiencies and financial loss. This affects the owner's business operations and the client experience, since a single booking Things like incorrect availability, duplicate bookings, and poor customer-booking platform communication can cause single-caravan rental booking problems blunder can cause great disappointment.

Problem Analysis: Caravan Hire Booking Issues while using outdated programs.

Brainstorming:

Before we dig into how to brainstorm effectively, it is helpful to take a step back and define brainstorming. (Atlassian, 2024) The reason brainstorming is used to solve problems like online booking for caravan rentals is that it produces a variety of ideas, solutions, and views that may not be immediately apparent. Because brainstorming encourages creative thinking and idea generation is essential for confronting problems that might not have obvious solutions, it is an effective approach for solving problems like caravan hire online booking. Brainstorming collects various feedback from team members, including engineers, marketers, and customer service personnel, resulting in more successful ideas. Rather than concentrating on a single fix, this strategy enables the examination of various solutions, ranging from technical upgrades to user experience changes. Also, brainstorming can assist in locating underlying issues that might not be noticeable at first, including a difficult-to-use user experience or a lack of adequate payment choices. Collaboration guarantees that all parties are committed to solving the problem, leading to more thorough and complete ideas.

Potential Causes:

- Outdated booking software
- Lack of real-time updates on availability
- Poor integration with third-party booking platforms
- Human error in manual bookings

- Inadequate customer service response time

Possible Solutions:

- Implementing a real-time booking system
- Automating booking confirmations and availability updates
- Integrating with multiple booking platforms for consistency
- Providing training to reduce human error
- Enhancing customer service protocols

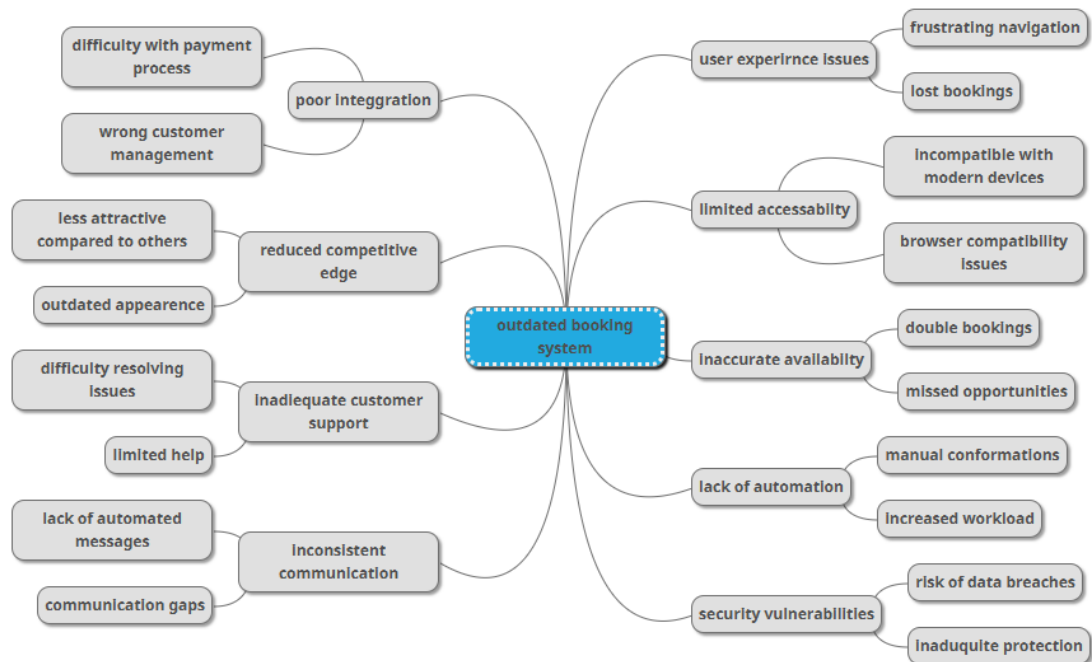
Mind Mapping:

The reason we use mind mapping is to arrange and visually analyze numerous aspects of the issue and possible solutions with a mind map for an outdated booking system. Mind maps are a visual way to organize your thoughts around one topic using words, colors, images, and numbers to highlight ideas and draw connections. (Colman, 2016) This is why using a mind map is so helpful in this situation:

Visual Clarity: A mind map provides a clear visual representation of the complex issues associated with an outdated booking system. It makes it easier for you to identify the relationships between several factors, including user experience problems, technological restrictions, and consumer feedback, all in one location.

Holistic Overview: A mind map provides you with a comprehensive understanding of the issues facing the booking system by outlining every key factor. This improves understanding of the connections between various problems and the potential effects of improvements in one area on others.

Systematic Problem-Solving: Using a mind map, you can divide a larger problem into smaller, more manageable components and arrange your thoughts in an organized way. Taking an organized approach helps the appropriate handling of each component.

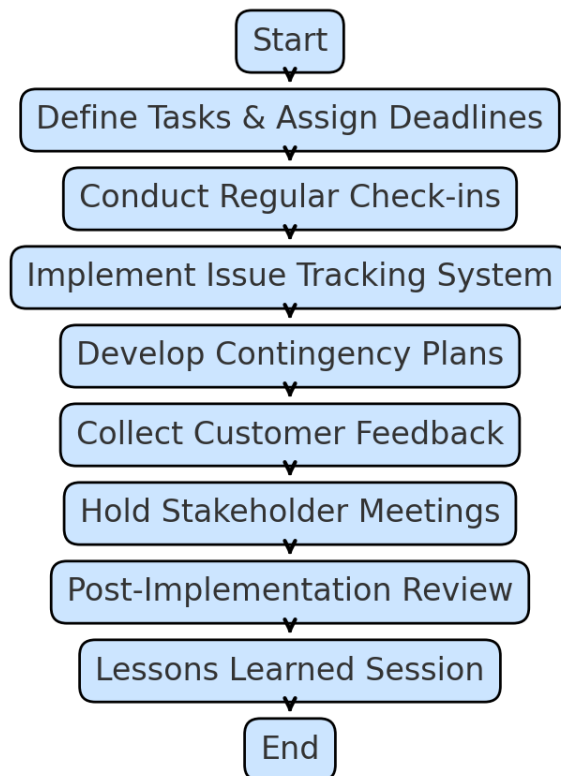


This is a simplified visual flowchart that shows the main actions from the beginning of the procedure to the conclusion of the lessons learnt session. Arrows are used to connect each step so that it is clear how one action leads to the next.

- **Start** - Begin the process.
- **Define Tasks & Assign Deadlines** - Clearly define what needs to be done and give each team member a deadline.
- **Conduct Regular Check-ins** - Regularly meet with the team to see how things are going and help with any problems.
- **Implement Issue Tracking System** - Set up a system to keep track of any problems that come up.
- **Develop Contingency Plans** - Prepare backup plans in case things do not go as expected.
- **Collect Customer Feedback Post-Deployment** - After the new system is in place, ask customers for feedback.
- **Hold Stakeholder Review Meetings** - Meet with key people to review how the project is doing and if it needs any changes.

- **Conduct Post-Implementation Review** - After the project is done, review everything to see how it went and what can be improved.
 - **Lessons Learned Session** - Meet with the team to discuss what worked well and what did not for future improvements.
- End** - The process is complete

The reversed flowchart is here to visually represent the process of implementing the solution, but with the steps shown in reverse order, starting from the "Start" at the bottom and moving upwards to the "End. The reversed flowchart is here to visually represent the process of implementing the solution, but with the steps shown in reverse order, starting from the "Start" at the bottom and moving upwards to the "End.



5 Whys Analysis: the issue of the outdated online booking system.

'Five whys' can be used during or after a project. (NHS England, 2015) By asking "Why?" five times, the Five Whys model is a problem-solving method that assists in determining the underlying cause of a problem. After clearly stating the issue, you enquire as to why it happened and record your response. Until you find the primary cause, you repeat this process, asking why each time based on the response you received previously. For instance, inadequate communication between the commissioning and procurement teams may have been the primary reason for a project's late delivery. This technique, created by Sakichi Toyoda, is frequently applied to enhance procedures, and stop reoccurring problems. Would you like to attempt using the Five Whys to address a particular issue you are having?

Why is there a problem with the booking system

Because the system is outdated

Why is the system outdated

Nobody has updated it

Why hasn't anyone updated it?

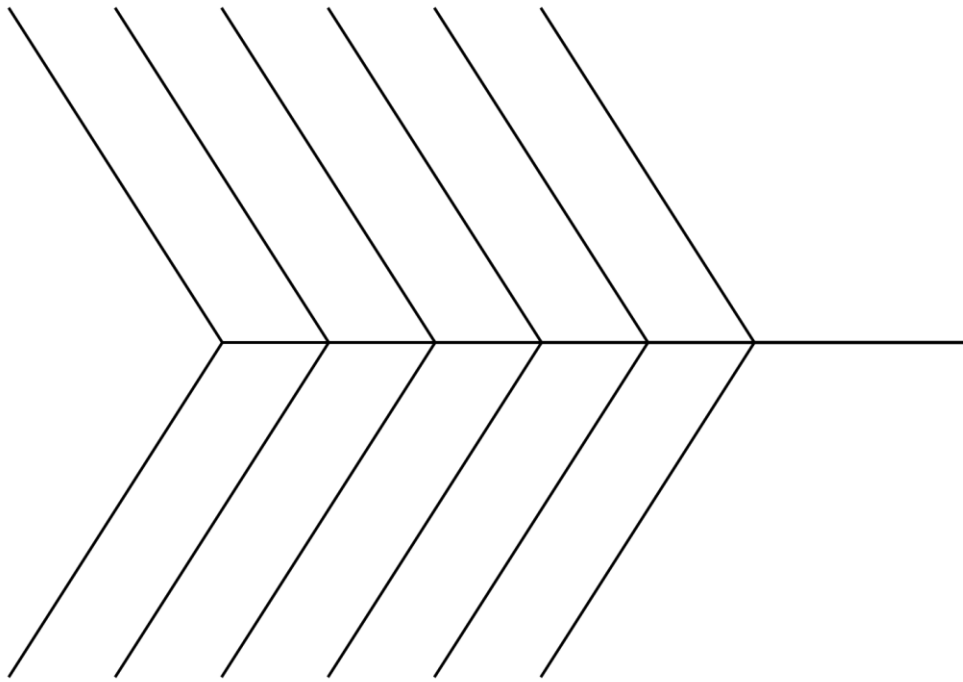
There are no updated systems available

Why isn't there any updated systems

Nobody has produced one

Ishikawa (Fishbone) Diagram:

Ishikawa diagrams, sometimes referred to as cause and effect diagrams or fishbone diagrams, are frequently used to pinpoint possible sources of a certain issue or result. The graphic would categorize potential reasons for the caravan booking system's launch, including people, procedures, tools, and outside forces.



1. People

- **Lack of Training:** Staff may not be adequately trained to use the system efficiently.
- **Resistance to Change:** Employees may be resistant to adopting modern technologies or processes.
- **Human Error:** Frequent mistakes due to the manual nature of an outdated system.

2. Process

- **Manual Data Entry:** Booking information may be entered manually, leading to errors.
- **Slow Response Times:** The booking process may be slow, leading to customer dissatisfaction.
- **Inefficient Workflow:** The booking process may have unnecessary steps that slow down operations.

3. Technology

- **Outdated Software:** The system might be using unsupported software.

- **Lack of Integration:** The booking system might not be integrated with other business systems (e.g., payment gateways, customer databases).
- **Poor User experience:** The system might be difficult to navigate or use, leading to inefficiencies.

4. Materials

- **Paper Records:** Rely on paper records that are prone to being lost or misfiled.
- **Limited Access:** Only a few terminals or devices may be available for staff to use the system.
- **Insufficient Documentation:** Lack of proper manuals or guides for using the system effectively.

5. Environment

- **Internet Connectivity Issues:** Poor internet connection affecting the performance of the online booking system.
- **Physical Space Constraints:** Limited physical space for storing records or terminals.
- **Remote Locations:** Difficulty in accessing the system from remote or off-site locations.

6. Management

- **Lack of Investment:** Insufficient funds allocated for upgrading the booking system.
- **Poor Planning:**

Root Cause Analysis:

The main cause of overbooking and incorrect availability is an ancient booking system that does not offer real-time updates and has poor connectivity with other platforms.

Secondary Root Cause: Human error and slow customer care response times are caused by poor processes and a lack of training for manual booking.

Alternative Solutions to Caravan Booking Problems

Upgrade to a Modern Real-Time Booking System

Include a modern reservation system that provides instant updates, automated procedures, and smooth interaction with other systems. Without the need for user action, this system would manage every part of booking, from checking availability to sending out customer confirmations

Advantages: Very good at preventing duplicate reservations.

Provides accurate, up to date information to improve the customer's experience.

Flexible to accommodate extra space.

Cons: Expensive initial outlay and training needs.

It can take some time to go live and fully activate.

Improve the Existing System with Add-Ons

Improve certain features of the present booking system, such availability tracking and customer communication, by introducing applications or extensions. This approach focusses on important weaknesses rather than a total system redesign.

Advantages: inexpensive fix that extends the life of the current system.

Little interruption to ongoing business operations.

Easy to put into practice.

Cons: Strict in scope; some problems might not be completely resolved.

Likely problems with earlier operating systems.

It might not offer the appropriate degree of efficiency or connectivity.

Outsource Booking Management to a Third Party

Join with an outside booking agency that manages all reservations for the caravan owner. This solution makes use of a third-party platform that provides a thorough booking service and connects with current systems.

Advantages:

reduces effort by doing away with the need for internal booking management. Ensures that reservations are handled professionally using modern technology. Just recurring fees, not out of pocket expenses.

Cons: The service is ongoing and could get pricey over time. Less control over the reservation procedure. Rely on a third party to do a vital company task.

Decision-Making Technique: Evaluating Solutions for Caravan Booking Issues

Here is a grid analysis to show Several solutions to the caravan booking problems can be assessed using cost benefit analysis, grid analysis, and ratio analysis, among other decision-making techniques. Rather than just going with the least expensive alternative, the goal is to determine which choice is most appropriate and provides the best balance between cost, effectiveness, and long term benefits.

Grid analysis

Factors Weights	Cost 5	How quick 4	How complicated 3	Effectiveness 5	total
Upgrade existing system	3 15	5 20	4 12	5 25	17 60
Download new software	1 5	4 16	3 9	5 25	13 55
Hire more staff	3 15	3 12	3 9	3 15	12 51
Improve training	2 10	3 12	2 6	5 25	12 53

Giving weight to each requirement, rating each solution according to with these standards, and then computing a weighted score for each option to assist in identifying the best choice are all steps in the factors and weights analysis process.

The ideal option is to update the current caravan booking system, which improves functionality, security, and user experience while maintaining the business's basic structure and recognisable user interface. The company can incorporate necessary features like updated payment gateways, mobile compatibility, and enhanced data security by modernising the present system instead of incurring the costs and effort associated with creating a new one from the ground up. Also,

upgrading minimises disruptions and lowers the learning curve for users who are already familiar with the current system. This method provides a cost-effective means of fixing present issues and future-proofing the system to satisfy changing user demands.

Implementation Plan: Upgrading to a Modern Real-Time Booking System

To put in place a modern, real-time booking system that will reduce the number of duplicate bookings, improve customer satisfaction, boost profitability, and easily connect with other systems.

Project Overview

Project Name: Upgrade of the Caravan Booking System

Manager of the Project: Carla Tonkin

Beginning on 1st August 24

1st September 24 is the estimated completion date.

Gantt chart

Using this Gantt chart, the carrying out plan is divided into targeted parts that ensure all critical tasks are finished on schedule.

	Week 1	week2	Week 3	Week 4			
Planning	xxxxxxx				Director		
Design		xxxxxxx			Web designer		
Testing			xxxxxxx		staff		
Finish training				xxxxxxx	Manager		

Week 1: Pay special attention to planning responsibilities such as creating the project plan, selecting a supplier, and determining stakeholder needs.

Week 2: The system's design is complete, including layout.

Week 3: The two primary areas of development and testing are system development and unit testing.

Week 4: Finish the training, activate the system, set it up, monitor user behavior, and do an after-introduction review.

Communication Plan for Caravan Booking System Upgrade

To guarantee full involvement of stakeholders, the approach includes a smart combination of procedures and time to successfully explain the new caravan booking installation plan. The main goal is to ensure that all important parties' customers, business partners, outside suppliers, and corporate staff are informed and ready for the changeover. Internally, the plan of action calls for early starting meetings, email reports on progress every week, and focused training sessions to make sure employees are prepared. Customers will receive accurate and clear messages regarding the benefits of the upgrade and any changes to procedure from an outside party, while partners will receive updates on development and testing. From the planning stage to installation and after the introduction testing, this planned communication timetable attempts to promote smooth changes, identify issues, and guarantee that all stakeholders are supported and updated on the upgraded process.

Techniques for Monitoring and Reviewing for Successful Operation

The new caravan booking system must be installed successfully, so it is needed to use a strong set of monitoring and review procedures. These methods will assist in confirming that the project is moving forward as intended, that all tasks are being carried out according to schedule, and that deadlines are being reached.

Progress Tracking and Reporting

Weekly Status Reports: Create a procedure for assessing finished tasks, upcoming deadlines, and any problems in weekly progress reports. Everyone involved, including the project manager, team members, and important stakeholders, should receive these reports.

Project Management Software

To keep track of developments in real time, use project management software such as Microsoft Project. With the help of this technology, tasks, due dates, and responsibilities can be visually tracked, promoting responsibility.

Reviews

Planned reviews: After every important stage, schedule frequent review sessions (e.g., planning, design, development, training, distribution). Assess the quality of the work achieved, determine whether the targets have been met, and discuss what has changed from the plan during these meetings.

Measures of Performance: Establish and track outcomes for every stage. Metrics during the development phase could comprise of multiple parts such as testing outcomes, defect counts, and finished code percentages. Assess trainee comments and completion rates during training.

Testing and quality control

Quality control involves testing units and determining if they are within the specifications for the final product. (oakley 2024)

System Testing: To make sure the booking system performs exactly as expected and interactions smoothly with other platforms, perform complete system testing, including unit, cooperation, and user-friendly testing

Review Cycle: Create a feedback cycle where users, including internal staff, may report problems or offer improved suggestions. Before a full-scale installation, use this input to make the required improvements.

Effective risk management and feedback systems must be in place along with effective employee oversight and performance monitoring to guarantee the caravan booking system's successful adoption. Project management tools should be used to track progress and ensure that task assignments and deadlines are clearly specified. Regular check-ins should also be carried out to address any issues and guarantee that deadlines are met. Surveys sent to customers after the system has been implemented will provide important information about how well it is performing, and regular stakeholder meetings will allow the project to be improved in response to their suggestions. In addition, problems need to be recorded and tracked using an issue tracking system, and potential hazards need to be addressed through emergency preparation. Lastly, a thorough post-implementation evaluation report should evaluate the project's performance and pinpoint areas for improvement.

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