UNIVERSITY OF CALOOCAN CITY
COMPUTER ENGINEERING DEPARTMENT

Software Design

Progress Report No. 6

Storyboard

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I. Objectives

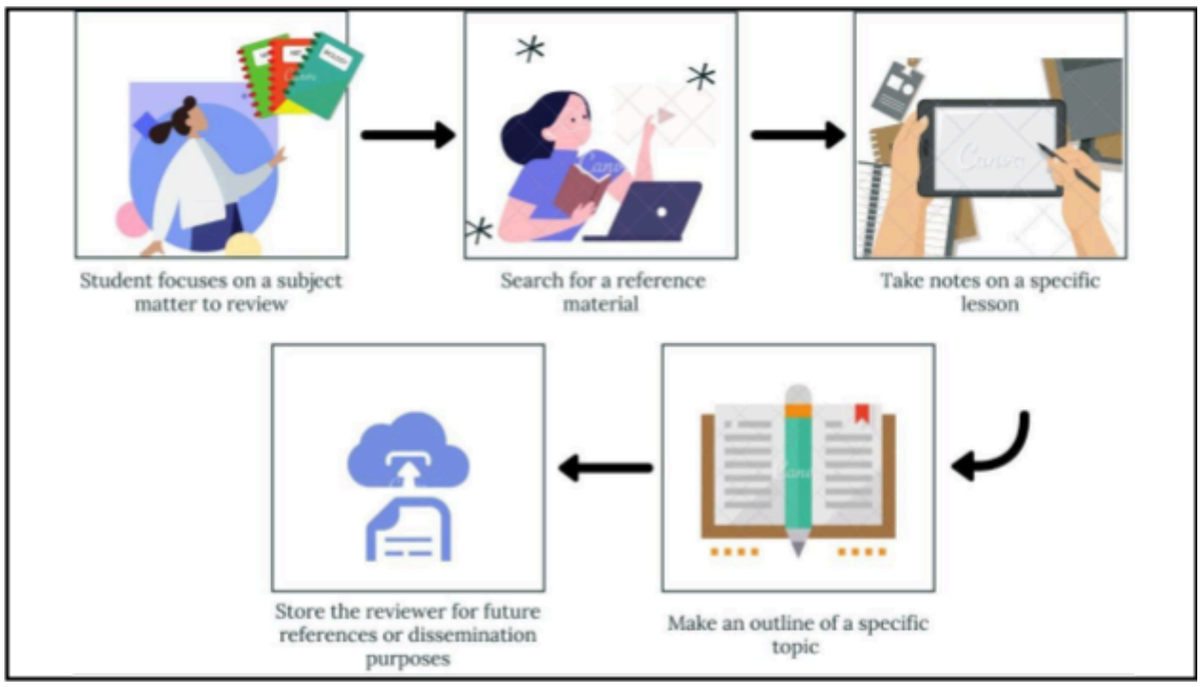
In this section, the goals in this laboratory are:

- To illustrate the process of determining the requirements for a system
- To enumerate both the requirement definition and requirement specification

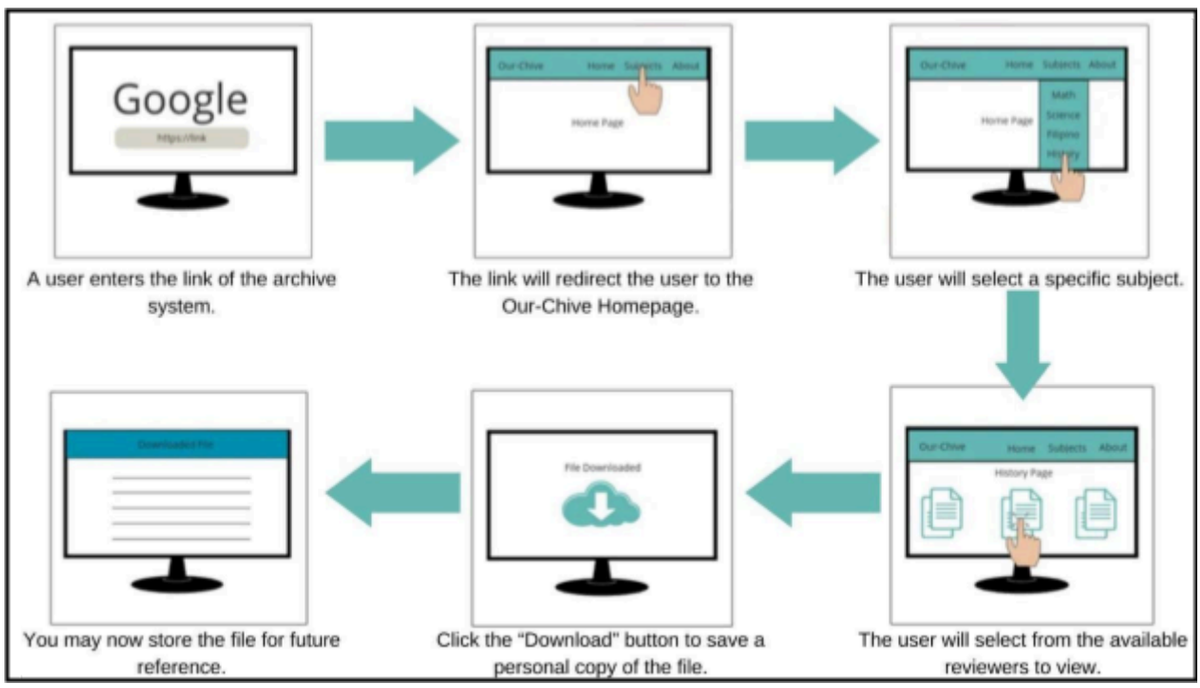
II. Methods

Instruction: Create a storyboard of your software or system.

Manual System



Automated System:



III. Results

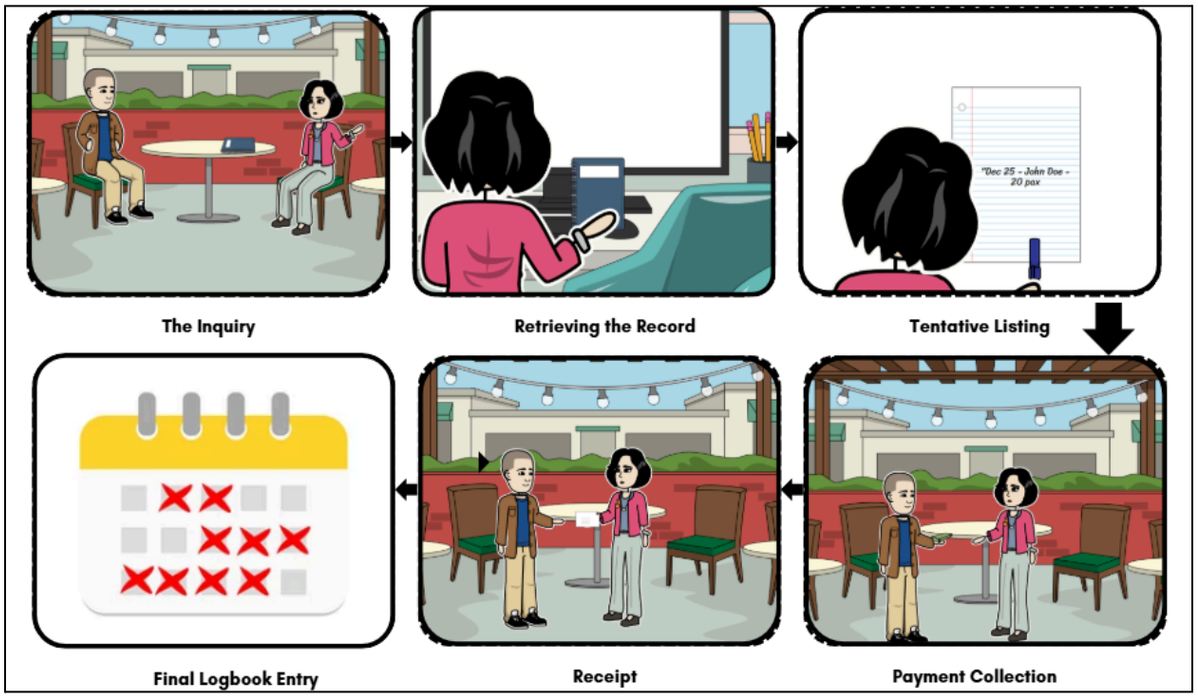


Figure 1. Manual System

The current booking workflow is a manual process that relies heavily on physical records and human intervention. It begins with an **Inquiry**, where the staff receives a request and performs a **Manual Availability Check** by physically searching through the master logbook. If the date is open, the details are temporarily noted down ("Pencil Booking") while the staff waits for the customer to settle the down payment. Once payment is made, the staff must manually verify the amount and handwritten an **Official Receipt** to issue to the customer. The process concludes with the **Final Logbook Entry**, where the staff marks the date as "Reserved" in the physical schedule. This reliance on paper creates bottlenecks during payment verification and poses a risk of data loss or double-booking if the single logbook is damaged or misplaced.

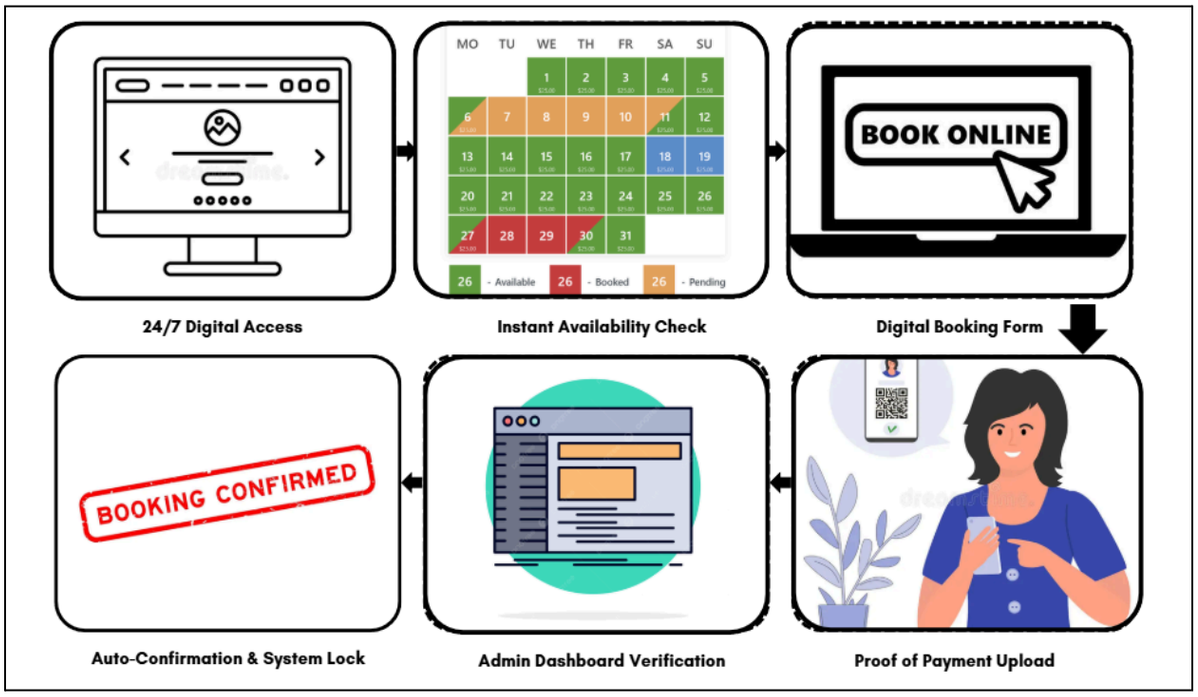


Figure 2. Automatic System

The proposed automated system streamlines the reservation process by transitioning to a fully digital platform. It begins with **24/7 Web Access**, allowing guests to view rates and perform an **Instant Availability Check** on a real-time calendar without staff assistance. To proceed, the guest completes a **Digital Booking Form**, ensuring all data is typed and structured, followed by a direct **Proof of Payment Upload** to the system. The process streamlines verification through an **Admin Dashboard**, where staff can approve the transaction with a single click. This action triggers an **Auto-Confirmation** that instantly locks the date on the calendar and emails a digital receipt to the guest, significantly reducing processing time and eliminating the risks of double-booking or data loss.

IV. Conclusion

In conclusion, this laboratory activity on storyboarding proved essential in bridging the gap between problem identification and solution design. By visually mapping out the current manual workflow, the team was able to pinpoint critical inefficiencies, such as the reliance on physical records and the lack of real-time validation, which served as the foundation for the automated system's requirements. The creation of the automated system storyboard not only provided a clear visual guide for the upcoming development phase but also validated that the proposed features directly address the client's operational struggles. Ultimately, this report demonstrates that storyboarding is a vital step in software design, ensuring that the final application is both functional and user-centric before any code is written.

References

[1] Co Arthur O.. “University of Caloocan City Computer Engineering Department Honor Code,” UCC-CpE Departmental Policies, 2020.

[2] Storyboard That. (n.d.). *Storyboard That* [Computer software]. https://www.storyboardthat.com