Selaelo’s Portfolio

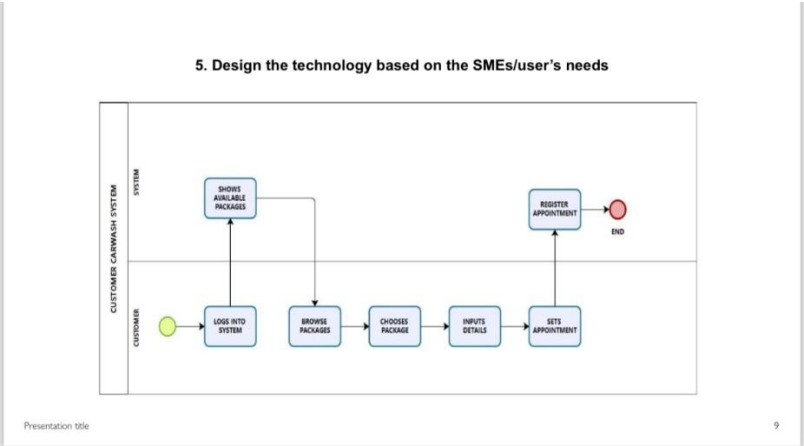
Introduction

Welcome to my portfolio! I’m Selaelo, an aspiring business analyst with a passion for data-driven decision-making and process improvement. My goal is to leverage analytical skills to help organizations optimize their operations and achieve strategic objectives.

Selected Projects:

1. Tester for "Process Testing module"**
   - Description: For our process testing project we were placed in groups to come up with a project so we can test if it works accurately and if it’s reliable. So, we worked on a project where we developed a website that will allow customers to book for a car wash for home call or at the car wash at the available slots on the website, for the car wash company to tackle the car wash being packed of customers waiting to be served. We tested the user’s ability to access the website when required, the customer being able to book an appointment and login
   - Tools Used: Word, Visio, Visual studio
   - Outcome: Increase in customer satisfaction as they don’t have to wait in long queues to get their car washed.
   - Image:

Test Case ID	Test Scenario	Test Case	Test Objective	Expected Result	Actual Result	Status [Pass/Fai l]
TC-01	Verify website link	Website link	To verify the successful booking of carwash services through the website	The link should show the homepage	The link is a success	Pass
TC-02	Verify register button	Register button	To ensure accurate display of the register window	The website accurately displays the register button	The website takes the customers to the registration window	Pass
TC-03	Verify schedule button	Schedule button	To validate the successful migration to the schedule window	Customers are able to move to the schedule window	Customers can view the schedule window	Pass
TC-04	Verify package browsing	Package browsing	To ensure accurate packages are visible to the customer	The website returns relevant packages on the homepage	The packages offered are clearly visible.	Pass



2. Recommending and Implementing a 4IR solution for "IT Project module"

- Description: Recommended an AI algorithms to examine a large quantity of historical crime data, including recorded incidents, charges, arrests, and demographic data. Artificial intelligence (AI) can assist in predicting where and when crimes are likely to occur by seeing patterns and trends in crime data. This helps police organizations deploy resources more wisely. AI algorithms, for instance, may recognize high-risk locations, crime hotspots, and particular categories of criminal activity. This information enables SAPS to deploy police ahead of time to prevent crime or quickly address new threats.
- **Tools Used: Word, Microsoft Visio
- **Outcome: SAPS is alert about crime earlier than before, prevent crime or quickly address new threats.
- Image:

Constructing work breakdown structure

Activity	Description	Predecessor	Estimation
A	Requirement Gathering	-	8
B	System design	A	15
C	Database design	B	10
D	UI/UX design	B	8
E	Backend development	C	18
F	Frontend development	D, E	23
G	Integration testing	F	13
H	User Acceptance testing	G	21
I	Bug fixing	G, H	3
J	Deployment and release	I	3

3. Developing an opportunity for library

- **Description: Developing a digital catalog and online access for the library to provide convenience to library users by allowing them to search for, access resources and book quiet study rooms from anywhere with an internet connection. This flexibility eliminates the need for physical visits to the library, which can be especially beneficial for community members with mobility issues. Unlike traditional library catalogues, digital catalogues and online access are available 24/7. This means users can search for resources, place holds, or access digital materials at any time, even when the physical library is closed.

- Tools Used: Microsoft Visio, Gantt chart, Lucidchart

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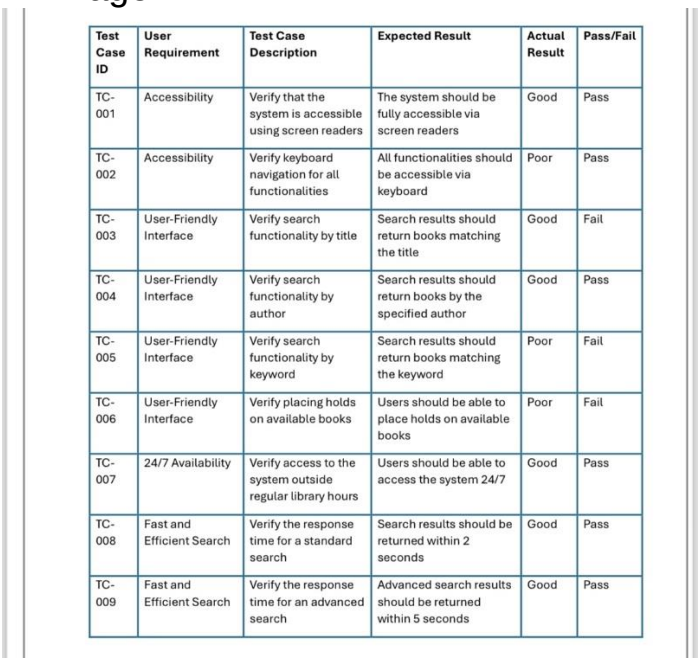
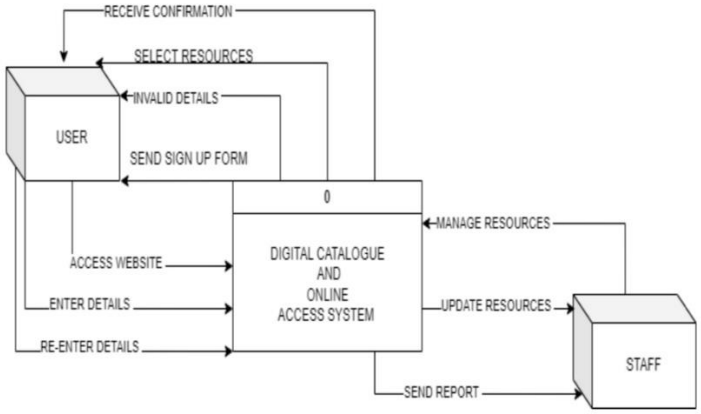
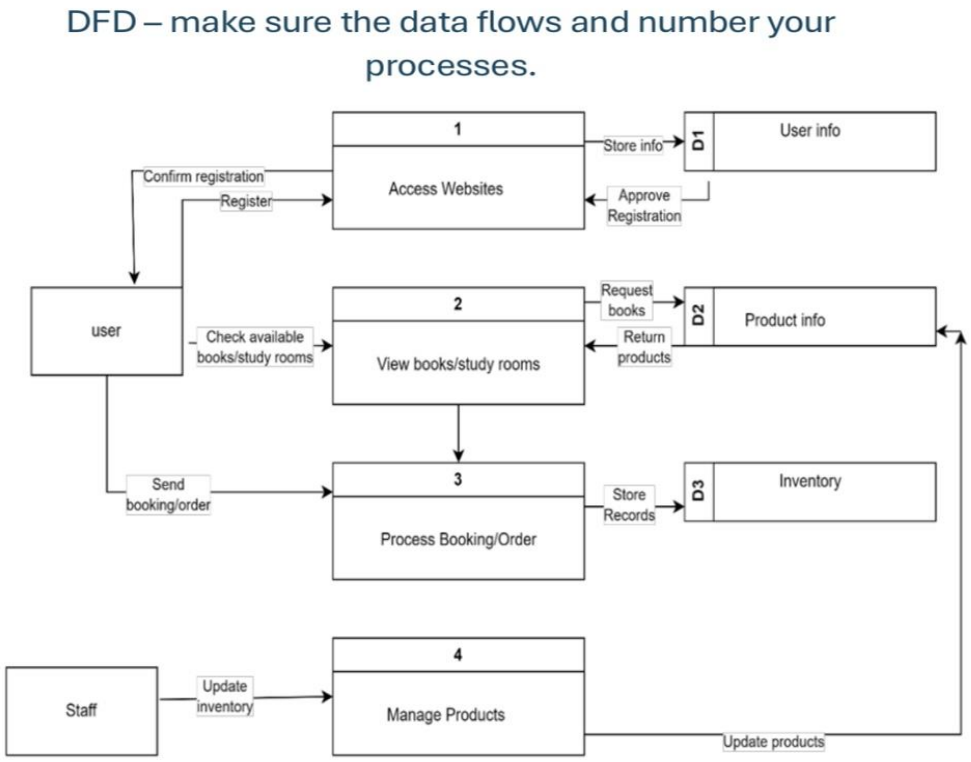


Test Case ID	User Requirement	Test Case Description	Expected Result	Actual Result	Pass/Fail
TC-001	Accessibility	Verify that the system is accessible using screen readers	The system should be fully accessible via screen readers	Good	Pass
TC-002	Accessibility	Verify keyboard navigation for all functionalities	All functionalities should be accessible via keyboard	Poor	Pass
TC-003	User-Friendly Interface	Verify search functionality by title	Search results should return books matching the title	Good	Fail
TC-004	User-Friendly Interface	Verify search functionality by author	Search results should return books by the specified author	Good	Pass
TC-005	User-Friendly Interface	Verify search functionality by keyword	Search results should return books matching the keyword	Poor	Fail
TC-006	User-Friendly Interface	Verify placing holds on available books	Users should be able to place holds on available books	Poor	Fail
TC-007	24/7 Availability	Verify access to the system outside regular library hours	Users should be able to access the system 24/7	Good	Pass
TC-008	Fast and Efficient Search	Verify the response time for a standard search	Search results should be returned within 2 seconds	Good	Pass
TC-009	Fast and Efficient Search	Verify the response time for an advanced search	Advanced search results should be returned within 5 seconds	Good	Pass

Context Diagram





Certifications and Skills:
IBM SkillsBuild for Data Fundamentals

About Me:
I am a final year student in TUT for a Diploma in Informatics and I have a strong interest in analytics and problem-solving. My academic projects have equipped me with the skills needed to analyze data and recommend strategic improvements and I believe I still have room to learn more. Outside of work, I enjoy learning new skills, hiking, and exploring new technologies.