**Meetings**

Project Title: Password Authenticator Tool

|  |  |  |
| --- | --- | --- |
| **Name** | **Student No** | **Programme** |
| Ketumile | NS23-021 | Network Systems Engineering |
| Bonang | NS23-027 | Network Systems Engineering |
| Tshiamo | NS23-023 | Network Systems Engineering |
| Mompoloki | NS23-018 | Network Systems Engineering |
| Tumelo | NS23-014 | Network Systems Engineering |

**How do you feel your project is progressing?**

|  |  |
| --- | --- |
| **Project Phase** |  |
| Planning and Research | Complete |
| Design | On schedule |
| Development | Not started |
| Testing | Not started |
| Deployment | Not started |

**Meeting Number: 1 Date: 03/03/2025**

AGENDA

-selection of group leader and editor

-brainstorming of project ideals

We have selected Tshiamo as the group leader and Bonang as the editor

The group members came up with different project ideals being authenticator tool, farm management system and student management system. Team concluded that authenticator tool system is most ideal hence was selected as project ideal.

Completed Tasks

Successfully assigned roles

Agreed on a campus app focused on health for our project

Challenges and Solutions

|  |  |
| --- | --- |
| Challenges | Solutions |
| No Challenges we encountered during the meeting |  |

Upcoming Tasks

No upcoming tasks were needed as we managed to complete the agenda in one day

**Reports**  

|  |  |
| --- | --- |
| Individual Report |  |
| Name | Comment |
| Tumelo | I participated and gave feedback on potential project ideas |
| Tshiamo | I was elected as a group leader. I led discussions on the project scope while |
|  | coordinating research tasks among team members |
| Mompoloki | I participated in giving project ideas |
| Ketumile | I was assigned as the editor responsible for reviewing and refining documentation. |
| Bonang | I kept track of all deadlines and milestones while recording details from our brainstorming sessions |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

**Meeting number:2 Date:06/02/2025**

AGENDA

-Reviewing project ideas

After getting feedback from our supervisor, the group revisited the project idea and corrected it according to what our supervisor suggested

COMPLETED TASKS

Agreed on Password Authenticator tool as our project

Challenges and solutions

Challenges and Solutions

|  |  |
| --- | --- |
| Challenges | Solutions |
| Disagreements on possible projects to pick. | A coin toss to select the winning project. |

Upcoming Tasks

**Reports**  

|  |  |
| --- | --- |
| Individual Report |  |
| Name | Comment |
| Mompoloki | Assisted in evaluating strengths and weakness of project concept |
| Ketumile | Reviewed initial proposal and refined key points |
| Bonang | Documented all key discussions |
| Tshiamo | Ensured all members understood project goal |
| Tumelo | Agreed to assist in different areas as needed, depending on project progress. |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

**Meeting number:3 Date:03/02/2025**

AGENDA

-identifying requirements and features needed by the system

The group discussed the programming languages and tools the development team will be using. Gathered essential tools such as development IDE tools to be utilized by the development team.

COMPLETED TASKS

Challenges and solutions

Challenges and Solutions

|  |  |
| --- | --- |
| Challenges | Solutions |
| No challenges were experienced. |  |

Upcoming Tasks

**Reports**  

Individual Report

|  |  |
| --- | --- |
| Name | Comment |
| Ketumile | Provided a computer to be used for as a test bed for tool development. |
| Mompoloki | Helped ensure that the group remained within the scope of the project. |
| Bonang | Documented all key discussions as well as offering insight from his prior experience as a developer from his hobbies. |
| Tshiamo | Procured necessary tools to be used online. |
| Tumelo | Suggested possible tools to use and how to acquire them. |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

**Meeting number;4 DATE:06/02/2025**

AGENDA

-Building TOR

 The development them chatted about different aspect needed to build TOR documents  COMPLETED TASKS

CHALLENGES AND SOLUTIONS

|  |  |
| --- | --- |
| Challenges | Solutions |
| Understanding how a TOR is developed. | Further clarification and guidance from the lecture ensured clear understanding of expectations from witing a TOR. |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

REPORTS

MEETING NUMBER: 5  DATE;03/03/2025

AGENDA

-literature review

The development team has collaborated to do literature review by doing research and then compiling related information to our topic-subtitles.

COMPLETED TASKS

Divided the topic into subtopics then made research based into them.

CHALLENGES AND SOLUTIONS

|  |  |
| --- | --- |
| Challenges | Solutions |
| We faced a challenge on finding relevant subtopics | We sent potential subtopics to our supervisor, who then advised and refined our subtopics |

Reports

|  |  |
| --- | --- |
| Individual Report |  |
| Name | Comment |
| Ketumile | Undertook research on some of the needed subtopics and compiled data. |
| Mompoloki | Did further research on more subtopics. |
| Bonang | Recorded the meeting and gave suggestions for subtitles to be worked on. |
| Tshiamo | Took active leadership and led the meeting, ensuring the agenda was reached and each member was able to have their say. |
| Tumelo | Led discussions and ensured each team member understood and and was on board with the relevance of each subtopic. |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

MEETING NUMBER: 6  DATE;7/03/2025

AGENDA

-Design: Assigning roles

The development team collaborated to assign roles to each participant in a group. Ketumile was assigned to do class diagrams, Tumelo was to do use case diagrams, Bonang was also assigned to do wireframes and prototype, Tshiamo was to do erd diagrams and Mompoloki was assigned to do sequence and activity diagrams. We came to an agreement that we will keep in chat with other team members to check their progress and were they get stuck we help each other.

COMPLETED TASKS

Each individual was satisfied with the assigned tasks

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

MEETING NUMBER: 7  DATE;11/03/2025

AGENDA  design phase

-Checking progress for each individual

COMPLETED TASKS

The development team met to check progress of each individual and most of them were doing very well except a few.

CHALLENGES AND SOLUTIONS

|  |  |
| --- | --- |
| Challenges | Solutions |
| Applications with the best features could not be accessed without paying | We used applications with less features just to create an example of what we want at the end |

Members Present

|  |  |  |
| --- | --- | --- |
| Name | Signature | Present/Absent |
| Tumelo | T.B | Present |
| Tshiamo | T.D | Present |
| Mompoloki | M.M | Present |
| Ketumile | K.M | Present |
| Bonang | B.M | Present |

**MEETING NUMBER: 8 — DATE: 13/03/2025**

**AGENDA:** Design phase – Creation of prototypes for our app’s interface  
**COMPLETED TASKS:**

* Prototypes for the main screens (login, registration, and dashboard) were sketched and shared.
* Feedback was gathered for improvements.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** Difficulty deciding on final interface style.  
**Solutions:** Group voted on preferred prototype layout and agreed to follow material design principles.

**Individual Reports:**

* **Ketumile:** Sketched initial wireframes for login screen.
* **Mompoloki:** Helped refine user dashboard prototype.
* **Bonang:** Compiled all prototype designs and presented for review.
* **Tshiamo:** Led feedback session and incorporated suggestions.
* **Tumelo:** Suggested use of consistent theme/colors.

**MEETING NUMBER: 9 — DATE: 15/03/2025**

**AGENDA:** Design phase – Map out the user journey from start to finish  
**COMPLETED TASKS:**

* Completed user journey diagrams including login, registration, password reset, and secure password generation.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** Ensuring the flow remained user-friendly while secure.  
**Solutions:** Simplified the journey by merging some steps and removing redundancies.

**Individual Reports:**

* **Ketumile:** Drew the full user journey diagram.
* **Mompoloki:** Proposed improvements for forgotten password flow.
* **Bonang:** Documented final flow and user notes.
* **Tshiamo:** Validated flow against initial requirements.
* **Tumelo:** Cross-checked journey for consistency with previous prototypes.

**MEETING NUMBER: 10 — DATE: 17/03/2025**

**(Already logged, but missing some parts)**  
**COMPLETED TASKS:**

* Set up frontend layout.
* Connected interface to stub API endpoints.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** Delays in syncing frontend to backend mockups.  
**Solutions:** Used mock APIs for testing while waiting for backend completion.

**Individual Reports:**

* **Ketumile:** Built initial layout for main screens.
* **Mompoloki:** Integrated UI with test APIs.
* **Bonang:** Handled component styling and theme.
* **Tshiamo:** Oversaw API documentation.
* **Tumelo:** Worked on error handling and alerts.

**MEETING NUMBER: 11 — DATE: 29/04/2025**

**COMPLETED TASKS:**

* Identified issues in the registration validation logic.
* Strengthened password policy checks.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** System allowed weak passwords.  
**Solutions:** Implemented regex and strength meters for input validation.

**Individual Reports:**

* **Ketumile:** Coded new validation logic.
* **Mompoloki:** Tested various password inputs.
* **Bonang:** Updated UI to reflect validation errors.
* **Tshiamo:** Wrote documentation for password policy.
* **Tumelo:** Assisted in testing and reviewed logs.

**MEETING NUMBER: 12 — DATE: 30/04/2025**

**COMPLETED TASKS:**

* Ran full beta test with dummy accounts.
* Compiled bug list for revision.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** Inconsistencies in data syncing between UI and DB.  
**Solutions:** Corrected async issues and rechecked integration flow.

**Individual Reports:**

* **Ketumile:** Logged and fixed UI bugs.
* **Mompoloki:** Monitored data flow between screens.
* **Bonang:** Recorded all bugs and shared list.
* **Tshiamo:** Coordinated bug fixes.

**Tumelo:** Confirmed patching of major issues.

**MEETING NUMBER: 13 — DATE: 05/05/2025**

**COMPLETED TASKS:**

Final bug check before deployment.

Prepared documentation for submission.

**CHALLENGES AND SOLUTIONS:**  
**Challenges:** Missed a few system exceptions during runtime.  
**Solutions:** Added error handling and logs to catch all exceptions.

**Individual Reports:**

**Ketumile:** Handled exception catching in final build.

**Mompoloki:** Verified final testing checklist.

**Bonang:** Compiled and finalized team documentation.

**Tshiamo:** Oversaw deployment readiness.

**Tumelo:** Helped test final version across devices.