PORTFOLIO WORK

Test Plan Document

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SCHOOL MANAGEMENT SYSTEM

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Contents

FLOW CHARTS

```
                    ┌──────────────┐        ┌──────────────┐
                ──→ │  Admin user  │ ────→  │  Admin menu  │
                    └──────────────┘        └──────────────┘
┌──────────┐        ┌──────────────┐        ┌──────────────┐
│  Login   │ ───────│   Educator   │ ────→  │ Educator menu│
└──────────┘        └──────────────┘        └──────────────┘
                ──→ ┌──────────────────────────────────────┐
                    │ Integral user (Combination of admin  │
                    │      and educator privileges)        │
                    └──────────────────────────────────────┘
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```
                      ┌──────────────┐
                  ──→ │ Add Educator │
                      └──────────────┘
                      ┌──────────────┐
                  ──→ │ View Educator│
                      └──────────────┘
┌──────────────┐      ┌──────────────┐
│  Admin menu  │ ───→ │ Add Student  │
└──────────────┘      └──────────────┘
                      ┌──────────────┐
                  ──→ │ View Student │
                      └──────────────┘
                      ┌──────────────┐
                  ──→ │ View Subject │
                      └──────────────┘
```

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                                              ┌────────────────────┐
                                          ──→ │   Seach Educator   │
                                              └────────────────────┘
┌──────────────┐      ┌──────────────┐        ┌────────────────────┐
│  Admin menu  │ ───→ │ View Educator│ ────→  │ Update Educator Info│
└──────────────┘      └──────────────┘        └────────────────────┘
                                              ┌────────────────────┐
                                          ──→ │   Delete Educator  │
                                              └────────────────────┘
```

```
                                              ┌────────────────────┐
                                          ──→ │   Seach Student    │
                                              └────────────────────┘
┌──────────────┐      ┌──────────────┐        ┌────────────────────┐
│  Admin menu  │ ───→ │ View Student │ ────→  │ Update Student Info│
└──────────────┘      └──────────────┘        └────────────────────┘
                                              ┌────────────────────┐
                                          ──→ │   Promote Student  │
                                              └────────────────────┘
```

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```
                                          ┌─────────────────────┐
                                          │                     │
                                          │                     ▼
                        ┌──────────────────┐         ┌──────────────────┐
                        │ View Class list  │         │  Delete Student  │
                        │                  │         │                  │
┌──────────────────┐    └──────────────────┘         └──────────────────┘
│                  │──┐
│  Educator menu   │  │ ┌──────────────────┐
│                  │  ├─│  View Student    │
└──────────────────┘  │ └──────────────────┘
                      │ ┌──────────────────┐
                      └─│ View Subject Info│
                        └──────────────────┘
```

Educator menu

View Class list

View Student

View Subject Info

Delete Student
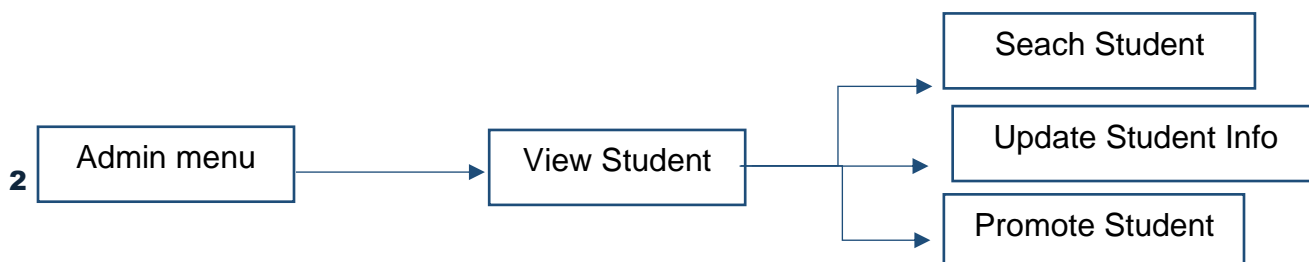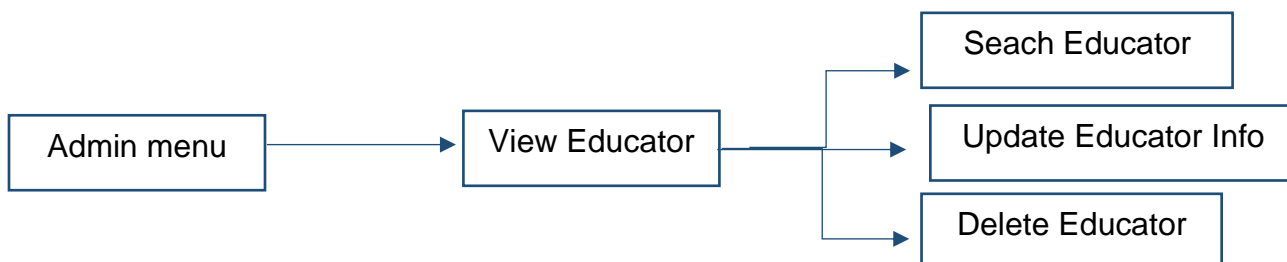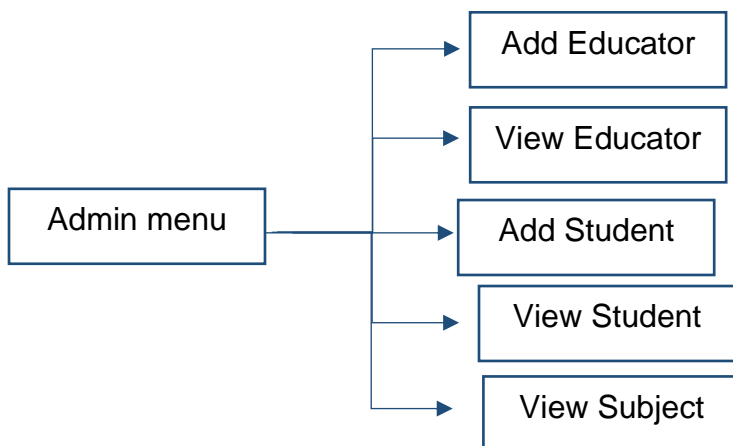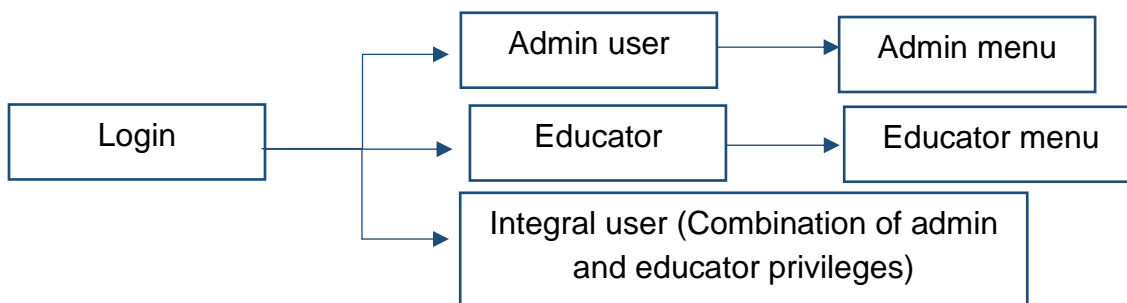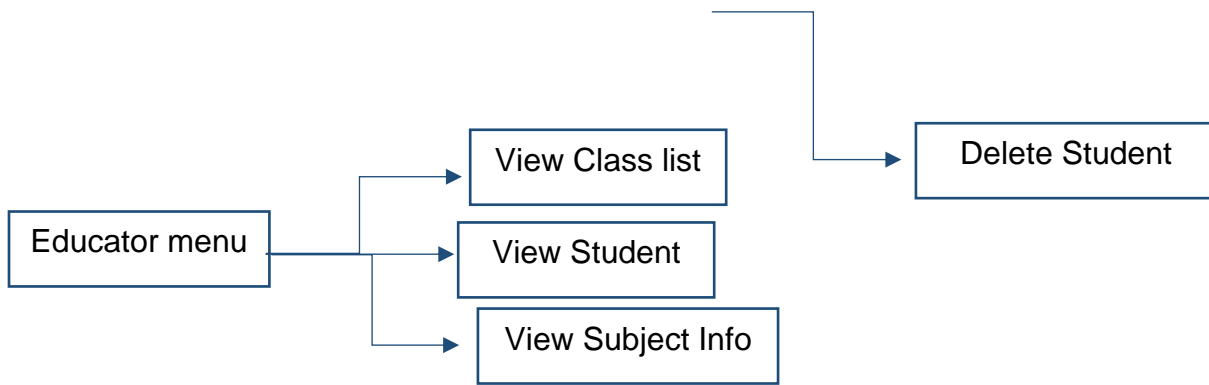
RISK MANAGEMENT

Potential Risk 1

Risk: Incorrect data entry, accidental deletion and unauthorized actions

Mitigation:
- User-friendly interface with clear instructions
- Input validation and error checking
- Access controls and role-based permissions

Potential Risk 2

Risk: Data breaches, unauthorized access and data loss.
Mitigation:
- Solid password policies
- Robust login system, blocks out potentially malicious users

LOGIN TABLE VIEW

SELECT * FROM SKYE.TBLADM... ✕

Max. rows: 100   Fetched Rows: 13

#	USERNAME	PASSWORD
1	temp	temp
2	temp1	temp1
3	JHN-D@skye.edu.za	dickensskye
4	KRUGE-K@skye.edu.za	kevinskye
5	WILLI-K@skye.edu.za	keithskye
6	ESCHE-E@skye.edu.za	ethanskye
7	RAVEN-M@skye.edu.za	mayaskye
8	DAIME-J@skye.edu.za	jaeskye
9	JANET-D@skye.edu.za	dgfgskye
▶10	VESTE-J@skye.edu.za	jessicaskye