VMS: VAULT MANAGEMENT SYSTEM

INNOVENTURES

INNOVENTURES GROUP AND ADVISER

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OBJECTIVES

1. Streamline the retrieval of requirement records and documents enabling quick and efficient access to records and documents.

2. Simplify submission process and tracking of applicant progress minimizing labor involved in management of applicant data.

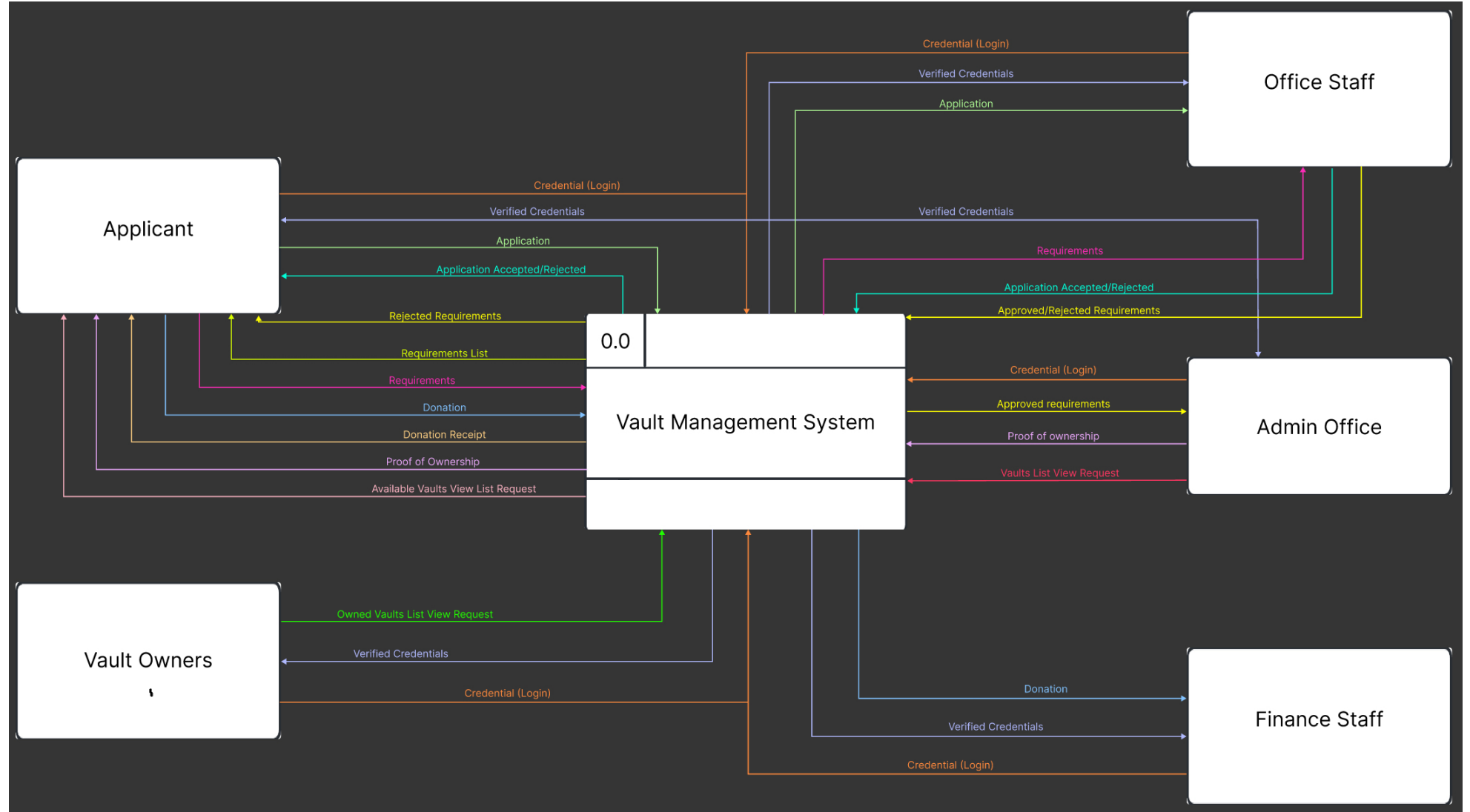3. Enhance reliability and speed of vault ownership verification to minimize effort.

COMMENTS MATRIX

Panelist	Comments
Ma'am Rhea	**DFD LEVEL 0** • Process should be labeled as 0.0, not 1.0, since it represents the highest-level system overview. • Adjust VMS to reflect Level 0 structure correctly. **LEVEL 1 DFD** • Main processes should be numbered as 1.0, 2.0, 3.0, etc., instead of referencing them as system. • Verify that all processes are clearly defined as per Visual Paradigm standards. **LEVEL 2 DFD** • Each sub-process (1.1, 1.2) needs incoming and outgoing data flows; all processes must have both inputs and outputs. • Avoid placing entities in Level 2 to prevent violations like missing data flows **USE CASE AND FULLY DRESSED** • Verify that login, view reports, and other key processes are included in both DFD and use case diagram for coherence. **Test Cases & Diagram Consistency** • Ensure test cases are traceable across use case flows and DFDs. Each tested feature should be found across diagrams. • Confirm specific steps in test cases appear in both DFD and use case flows.

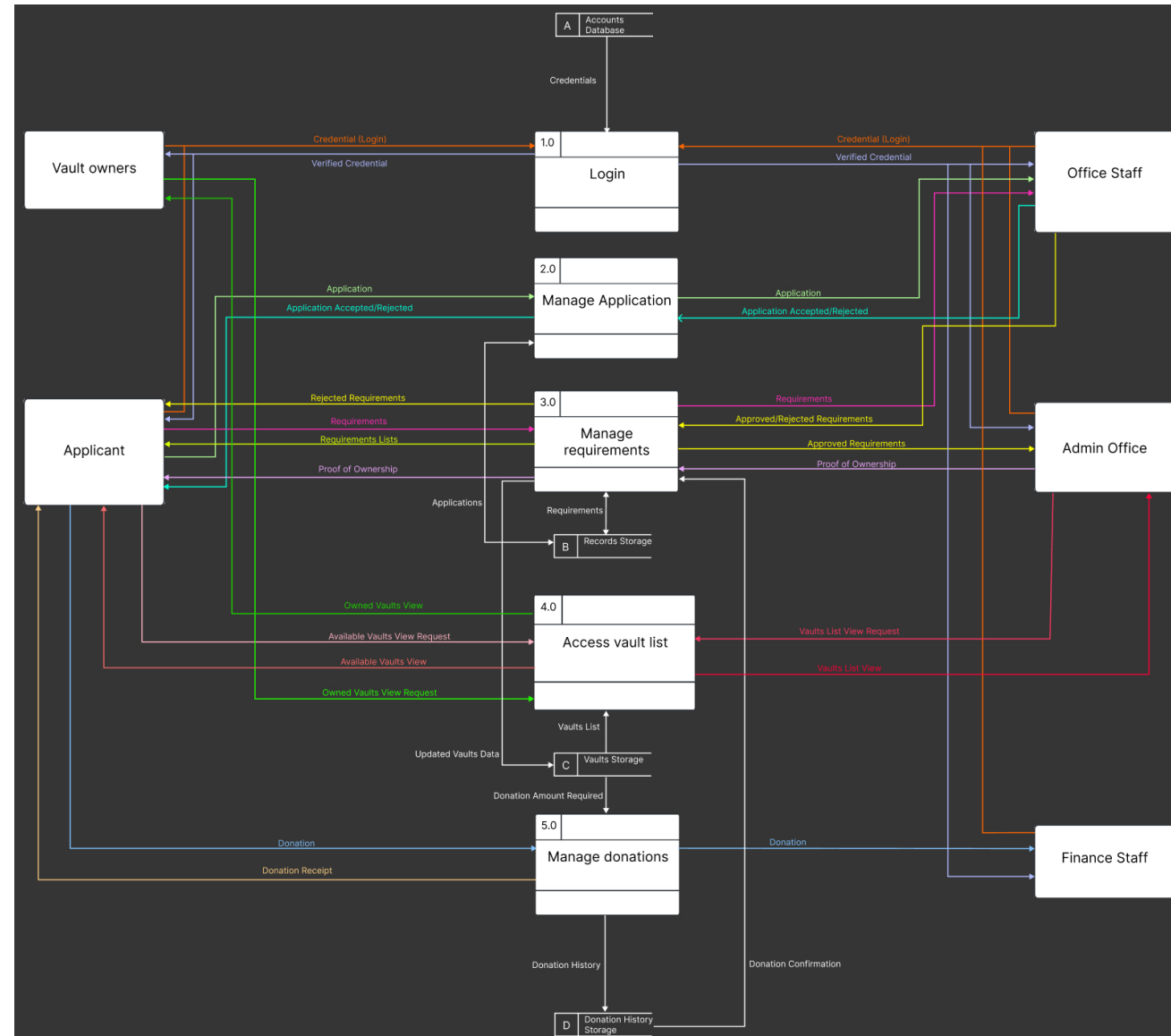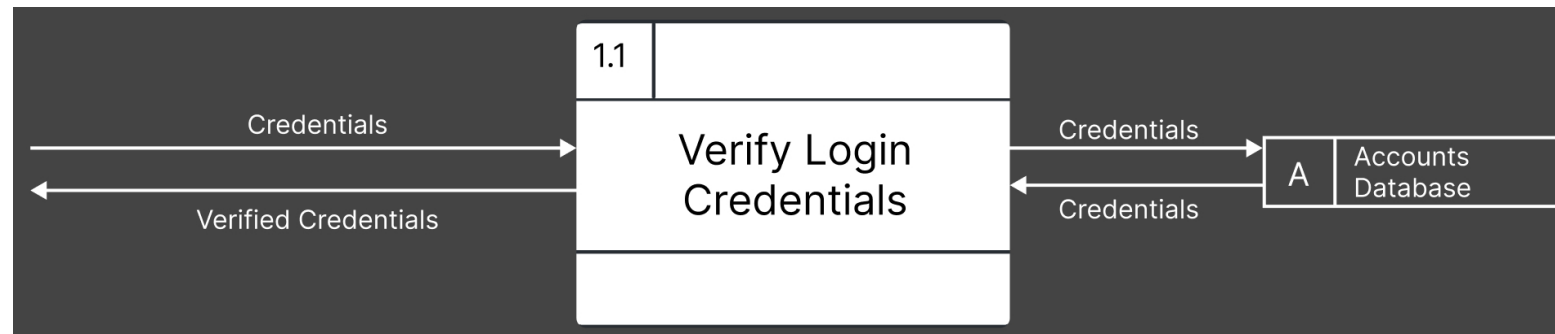| | **Activity Diagram**
• Review all activity diagrams for step-by-step alignment with use case flows. |

DATA FLOW DIAGRAM – LEVEL 0
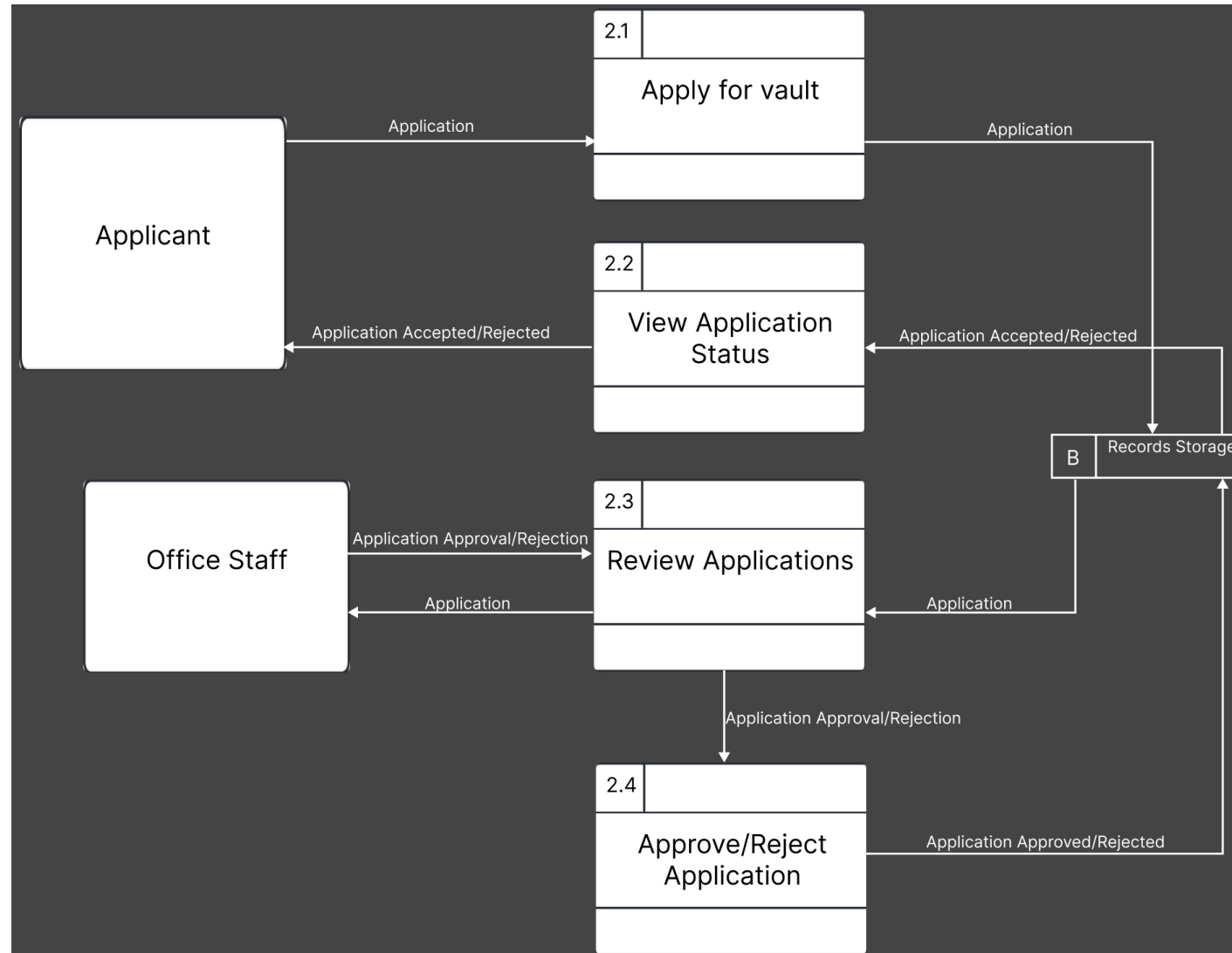
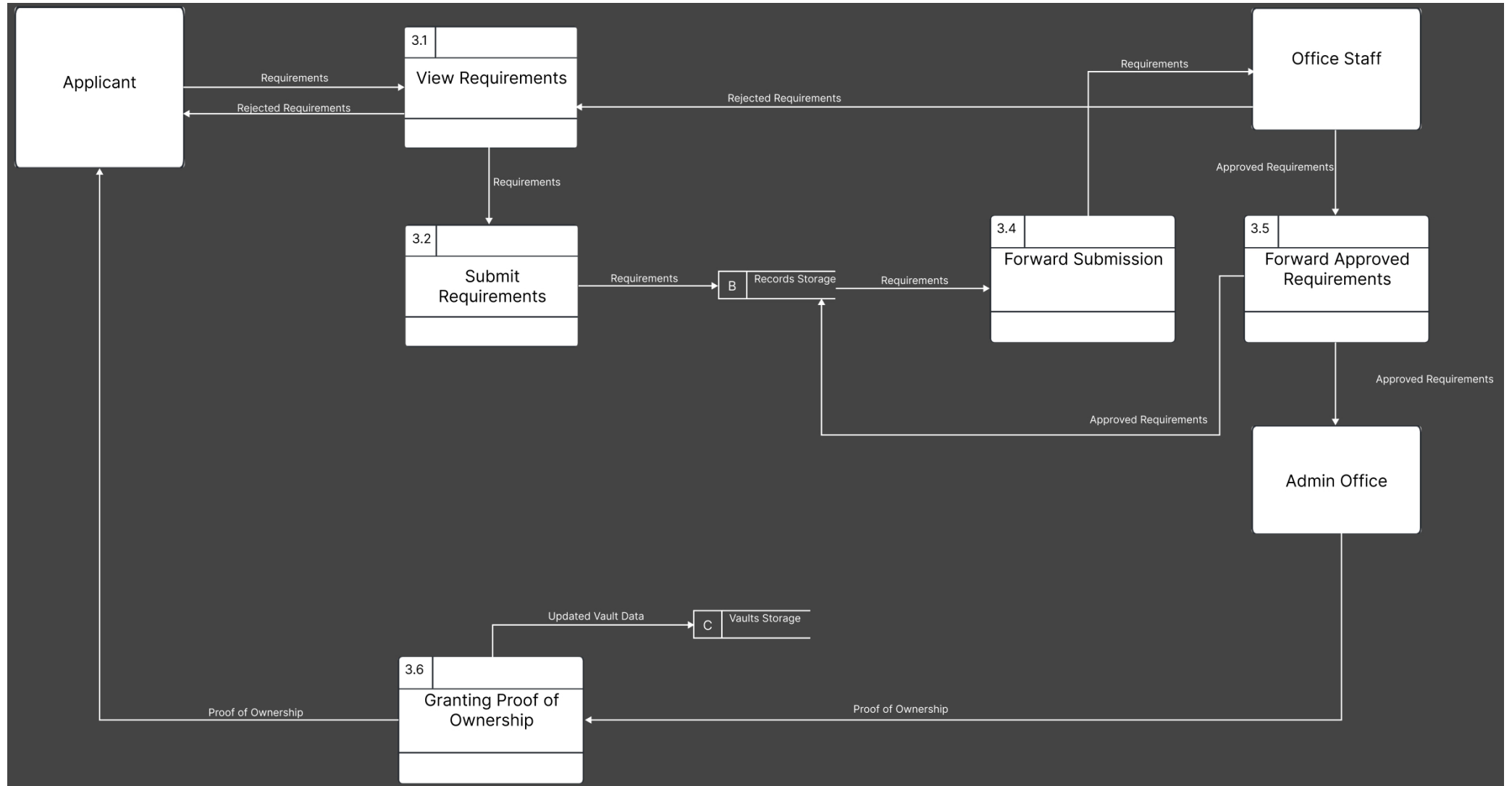# DATA FLOW DIAGRAM – LEVEL 1

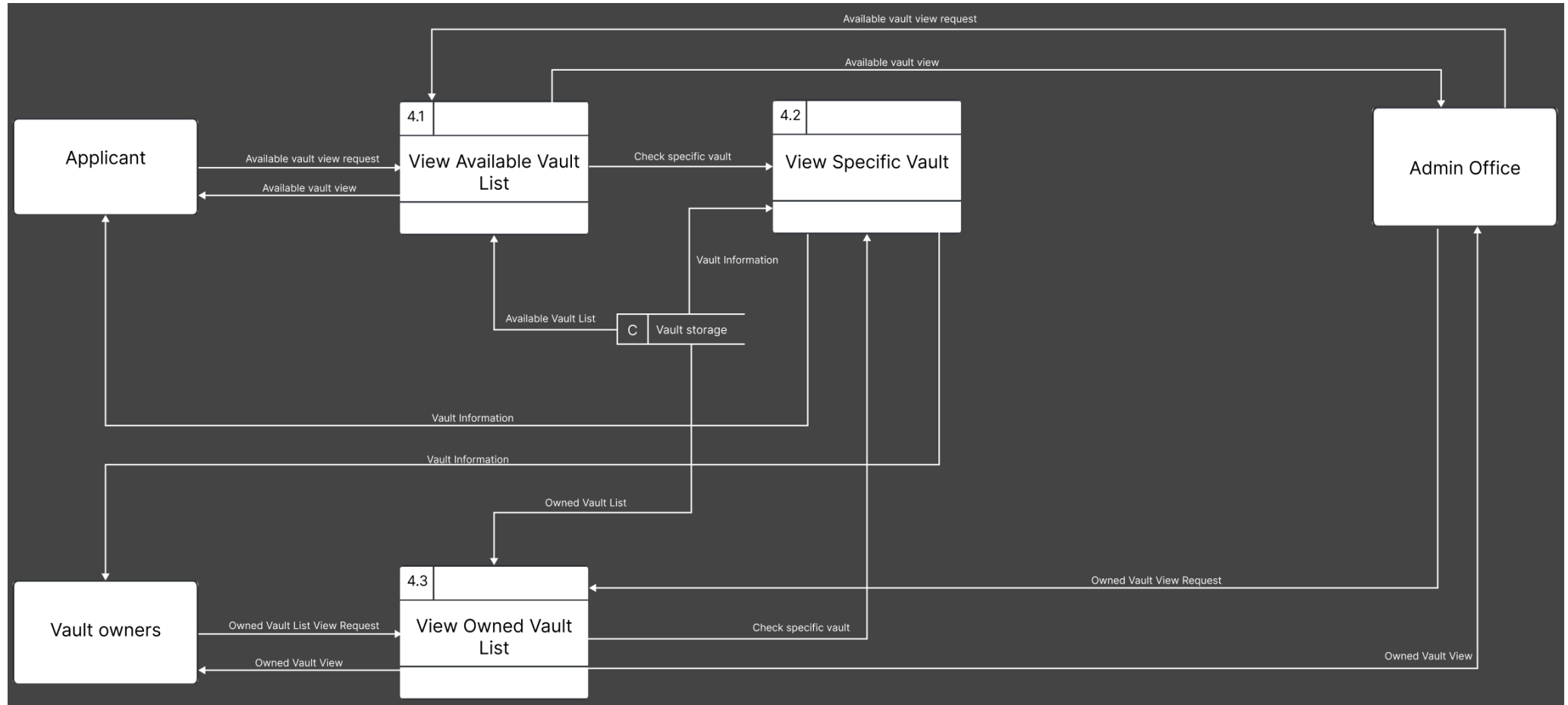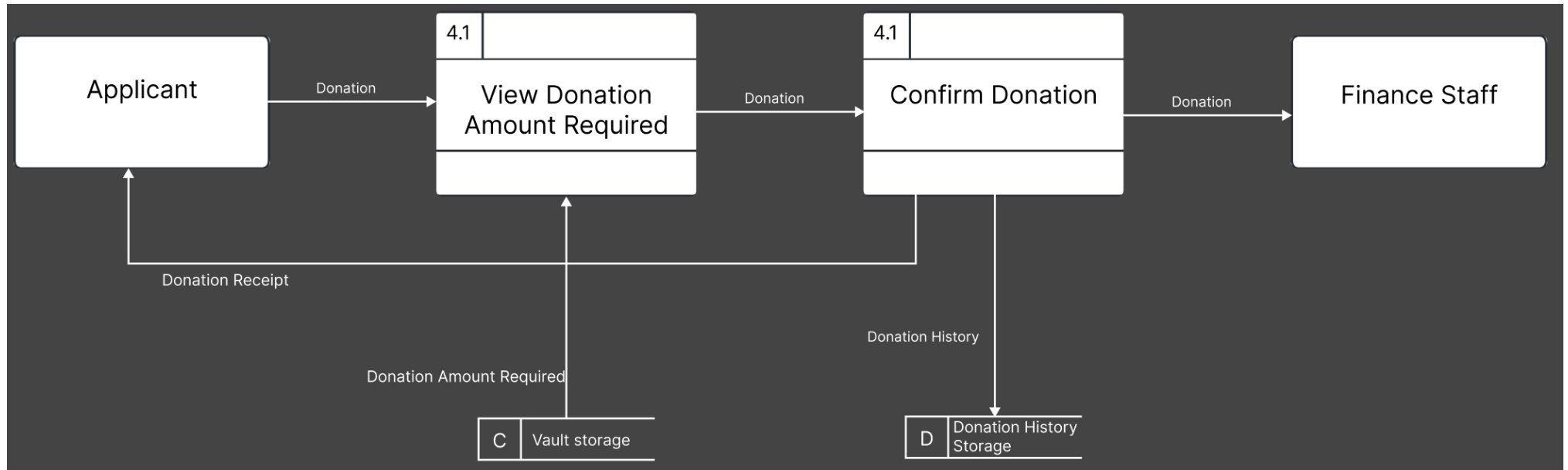# DATA FLOW DIAGRAM – LEVEL 2

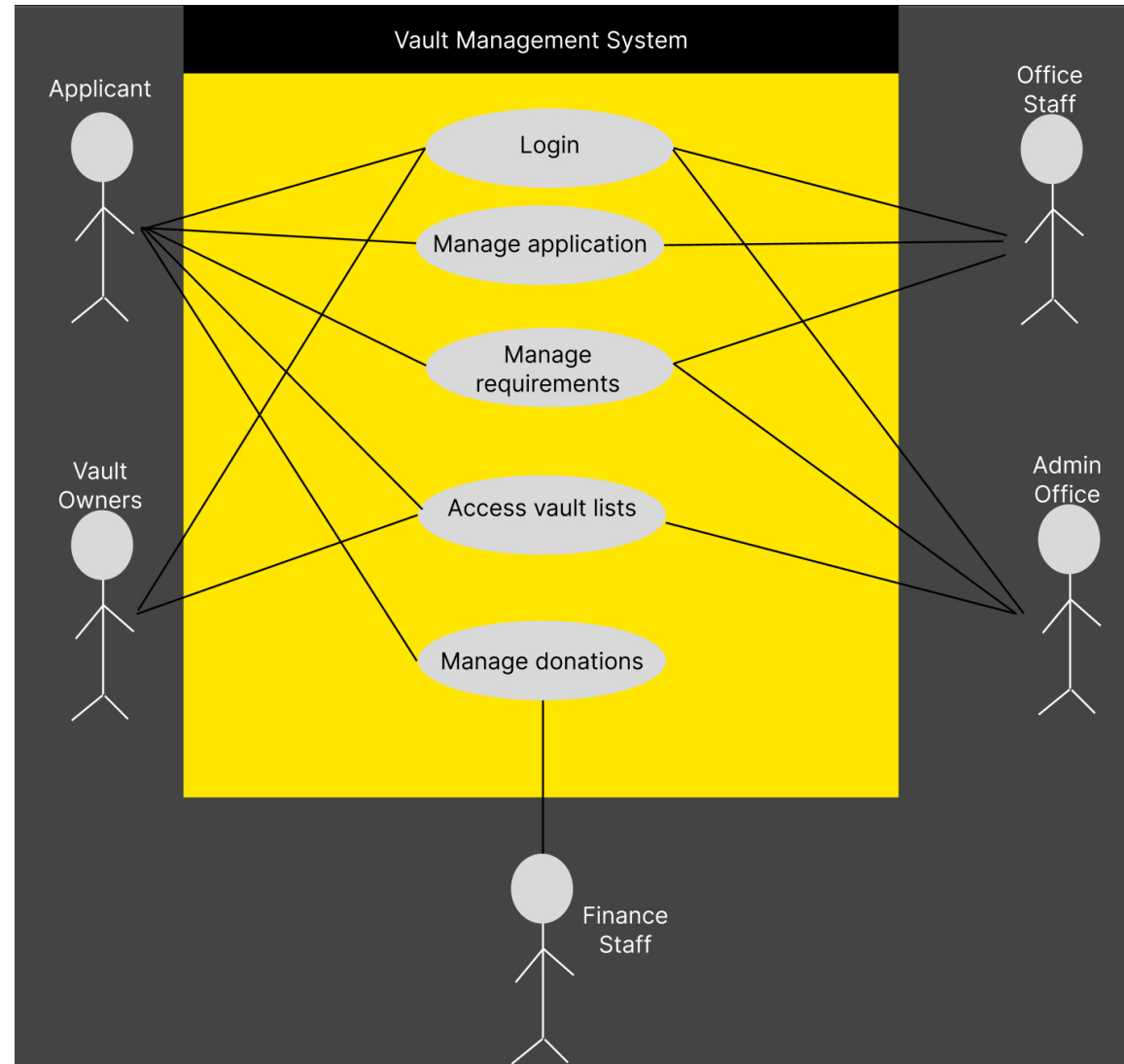# DATA FLOW DIAGRAM – LEVEL 2

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DATA FLOW DIAGRAM – LEVEL 2

USE CASE DIAGRAM

User Case ID:	UC-001
User Case Name:	Login
Created By:	InnoVentures : John Keisuke Miyabe
Date Created:	10/24/2024
Description:	The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) log in the system
Actors:	User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff)
Trigger	None
Preconditions:	1. The device must be connected in the internet. 2. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) must have their email and password.
Postconditions	1. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) are logged in to the system.
Main Flow:	1. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) navigates to the login page. 2. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) inputs their email and password. 3. The system verifies the credential entered against the stored user data. 4. If the entered credentials are correct, User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) can now access the system in their respective views.
Extensions (Alternate Flows)	a. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) enters incorrect credentials. 1. The system displays an error prompt 2. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) can try again to log in.

User Case ID:	UC-002
User Case Name:	Manage Application
Created By:	InnoVentures : John Keisuke Miyabe
Date Created:	10/24/2024
Description:	The Applicant/Office Staff manages application.
Actors:	Applicant & Office Staff
Trigger	None
Preconditions:	1. The Applicant/Office Staff must be logged in the system.
Postconditions	1. The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) are logged in to the system.
Main Flow:	1. The Applicant can now apply for vault and view the status of the application. 2. The Office Staff can now review the application submitted by applicant and approve/reject the application.
Extensions (Alternate Flows)	a. The Applicant enters a wrong input in a field 1. The system displays an error prompt and the Applicant can try again to correct the error.

User Case ID:	UC-003
User Case Name:	Manage Requirements
Created By:	InnoVentures : John Keisuke Miyabe
Date Created:	10/24/2024
Description:	The Applicant, Office Staff, Admin Office manages requirements.
Actors:	Applicant, Office Staff, and Admin Office
Trigger	None
Preconditions:	1. The Applicant, Office Staff, or Admin Office must be logged in the system. 2. The Applicant must already have approved application.
Postconditions	1. The Applicant submitted the requirements. 2. The Office staff approves the requirements submitted. 3. The Admin Office grants proof of ownership to the Applicant.
Main Flow:	1. The Applicant/Office Staff/Admin Office navigates to the "Requirements" tab. 2. The system will show the Applicant the list of requirements and the submission progress; The system will show the Office Staff a list of Applicants with complete submitted requirements to approve. 3. The system verifies the requirements submitted by the applicant and uploads it; The Office Staff approves the complete submitted requirements. 4. The system updates the requirements approval status of the applicant. 5. Admin Office receives the approved requirements and grants proof of ownership to the applicant.
Extensions (Alternate Flows)	a. The Applicant uploads requirements not in the correct format or file size 1. The system will display an error and the applicant can try to correct it.

User Case ID:	UC-004
User Case Name:	Access Vault Lists
Created By:	InnoVentures : John Keisuke Miyabe
Date Created:	10/24/2024
Description:	The Applicant, Vault Owner, Admin Office access the vault lists.
Actors:	Applicant, Vault Owner, and Admin Office
Trigger	None
Preconditions:	1. The Applicant, Vault Owner, or Admin Office must be logged in the system.
Postconditions	1. The Applicant, Vault Owner, or Admin Office can now access vault lists.
Main Flow:	1. The Applicant/Vault Owner/Admin Office navigates to the "Vaults" tab. 2. The system will show the Applicant the list of available vaults to apply for; the system will show the Vault Owner the owned vault; The system will show Admin office all vaults both available and owned.
Extensions (Alternate Flows)	a. The Admin office chose to filter to show only available vaults or only the owned vaults 1. The system will display the list according to the filter.

User Case ID:	UC-005
User Case Name:	Manage Donations
Created By:	InnoVentures : John Keisuke Miyabe
Date Created:	10/24/2024
Description:	The Applicant, Finance Staff manages donation.
Actors:	Applicant & Finance Staff
Trigger	None
Preconditions:	1. The Applicant & Finance Staff must be logged in the system. 2. The Applicant must have complete submitting all requirements.
Postconditions	1. The Applicant successfully donated. 2. The Finance Staff receives the donation
Main Flow:	1. The Applicant/Finance Staff navigates to the "Donation" tab. 2. The system will show the Applicant the amount needed for donation. 3. The Applicant gives the donation using preferred payment method; The Finance Staff receives notification and the donation. 4. The system confirms the donation and issues donation receipt

TEST CASE

Project Name	**VMS**
Module Name	Login
Test Case ID	TC-001-01
Test Case Description	Verify that the User can successfully login in the VMS.
Reference Document	Use Case UC-001
Pre-Conditions	• The device must be connected in the internet. • The User (Applicant, Vault Owner, Office Staff, Admin Office, and Finance Staff) must have their email and password.
Test Steps	1. Navigate to login page 2. Enter valid login credentials and click the "Login" button 3. Verify that the system is directed to the dashboard.

Test Data	• User login credentials:
	
	    o Email: User@email.com
	
	    o Password: vms123

Expected Result	• The User should be successfully directed to the dashboard.
Post Condition	• The User is in the dashboard.
Actual Result:	[To be filled in after test execution]
Status:	[To be set as Pass or Fail based on the actual result]
Comments	• Ensure the system's response time is adequate when displaying the dashboard. Also, check if the correct view is displayed.
Created By	Heiro Usana
Date of Creation	10/24/2024
Reviewed By	John Keisuke Miyabe
Date of Review	TBA
Executed By	TBA
Date of Execution	TBA

TEST CASE

Project Name	VMS
Module Name	Manage Application
Test Case ID	TC-002-01
Test Case Description	Verify that the Applicant can successfully apply and view the application status.
Reference Document	Use Case UC-002
Pre-Conditions	• The Applicant must be logged in the system.
Test Steps	1. Login on the Applicant view of the VMS. 2. Click on the "Applications" tab. 3. Verify that the system is directed to the "Applications" tab. 4. Fill up the application form and click submit. 5. View application status.

Test Data	• Applicant login credentials:
	
	    o Email: applicant@email.com
	
	    o Password: apply123

Expected Result	• The Applicant should successfully apply for vault and view the application status.
Post Condition	• The Applicant can now apply for vault and view the status of the application.
Actual Result:	[To be filled in after test execution]
Status:	[To be set as Pass or Fail based on the actual result]
Comments	None
Created By	Heiro Usana
Date of Creation	10/24/2024
Reviewed By	John Keisuke Miyabe
Date of Review	TBA
Executed By	TBA

TEST CASE

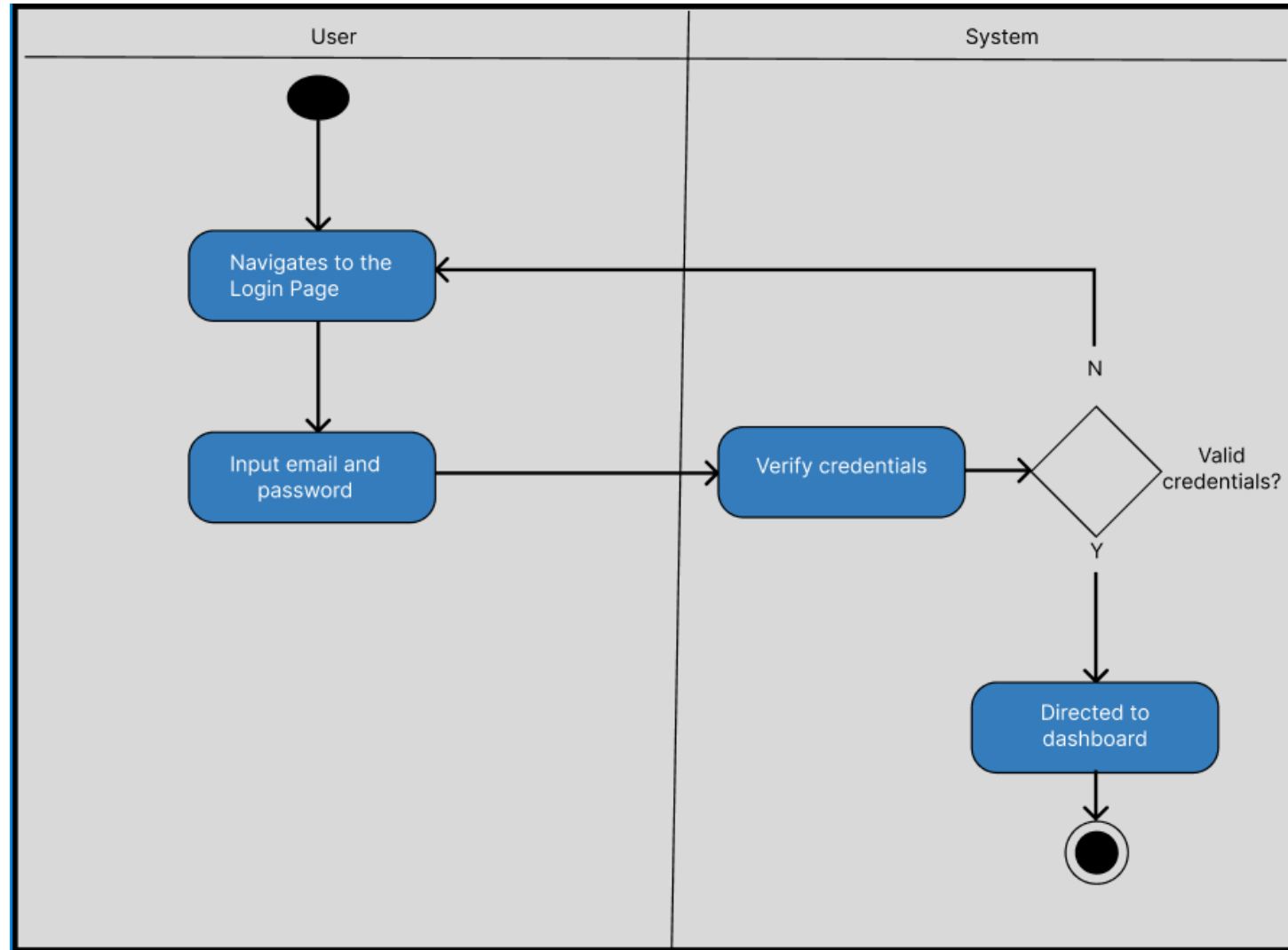| Project Name	VMS
Module Name	Manage Requirements
Test Case ID	TC-003-01
Test Case Description	Verify that the Applicant can successfully submit requirements.
Reference Document	Use Case UC-003
Pre-Conditions	• The Applicant must be logged in the system. • The Applicant must already have approved application.
Test Steps	1. Login on the Applicant view of the VMS. 2. Click on the "Requirements" tab. 3. Verify that the system is directed to the "Requirements" tab. 4. Verify that the system showed the requirements lists and submission progress. 5. Submits requirements.
Test Data	• Applicant login credentials: • Email: applicant@email.com • Password: submit123
Expected Result	• The Applicant successfully submitted requirements
Post Condition	• The Applicant submitted the requirements.
Actual Result:	[To be filled in after test execution]
Status:	[To be set as Pass or Fail based on the actual result]
Comments	None
Created By	John Keisuke Miyabe
Date of Creation	10/24/2024
Reviewed By	John Keisuke Miyabe
Date of Review	TBA
Executed By	TBA
Date of Execution	TBA

TEST CASE

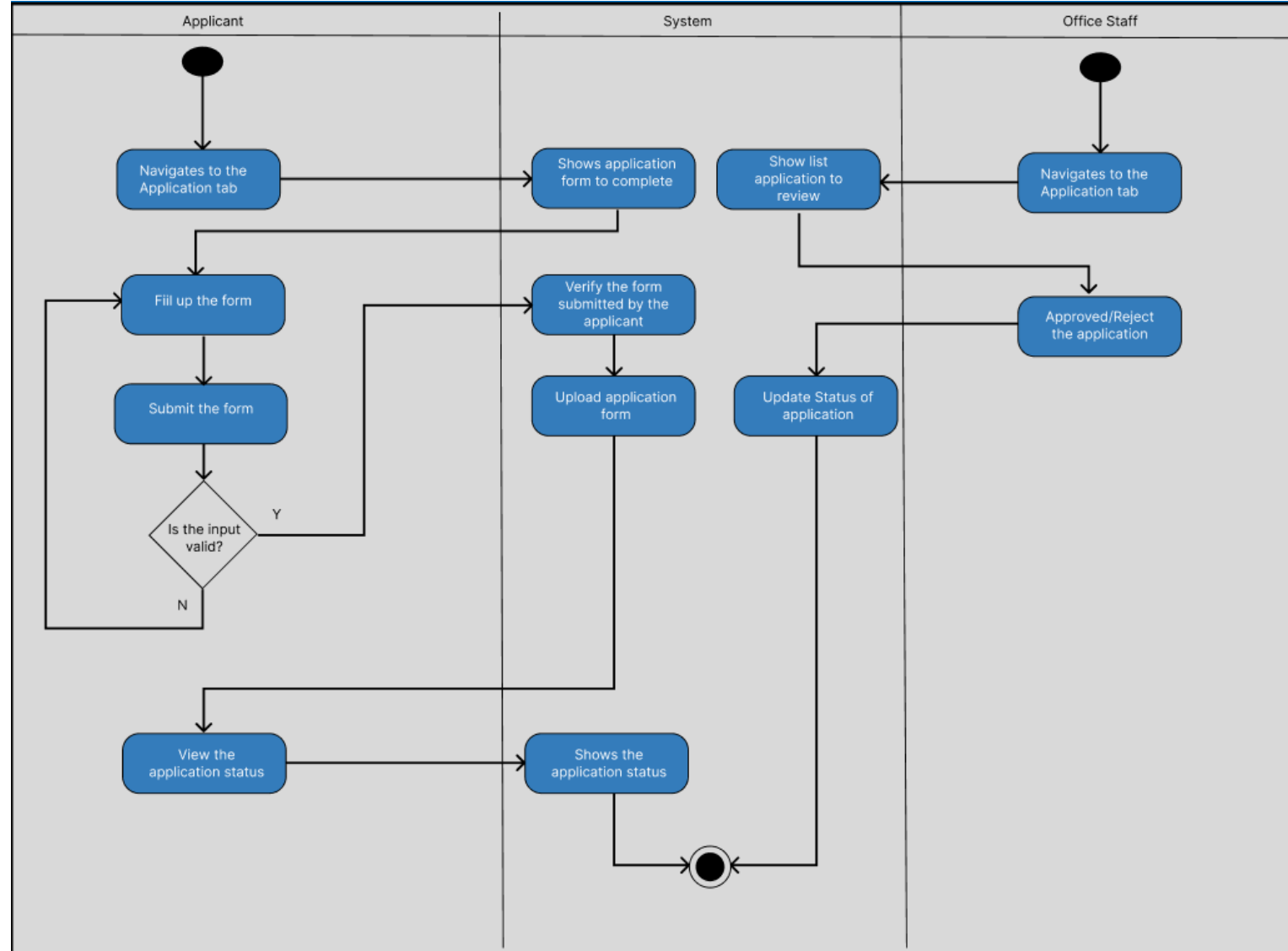| Project Name	VMS
Module Name	Access Vault Lists
Test Case ID	TC-004-01
Test Case Description	Verify that the Applicant can successfully view available vault lists.
Reference Document	Use Case UC-004
Pre-Conditions	• The Applicant must be logged in the system.
Test Steps	1. Login on the Applicant view of the VMS. 2. Click on the "Vaults" tab. 3. Verify that the system is directed to the "Vaults" tab. 4. Verify that the system showed the list of available vaults 5. Clicks on a specific vault 6. Views vault details

Test Data	• Applicant login credentials:
	
	    o Email: applicant@email.com
	
	    o Password: vaults123

Expected Result	• The Applicant successfully views available vault lists.
Post Condition	• The Applicant can now access vault lists.
Actual Result:	[To be filled in after test execution]
Status:	[To be set as Pass or Fail based on the actual result]
Comments	None
Created By	John Keisuke Miyabe
Date of Creation	10/24/2024
Reviewed By	John Keisuke Miyabe
Date of Review	TBA
Executed By	TBA
Date of Execution	TBA

TEST CASE

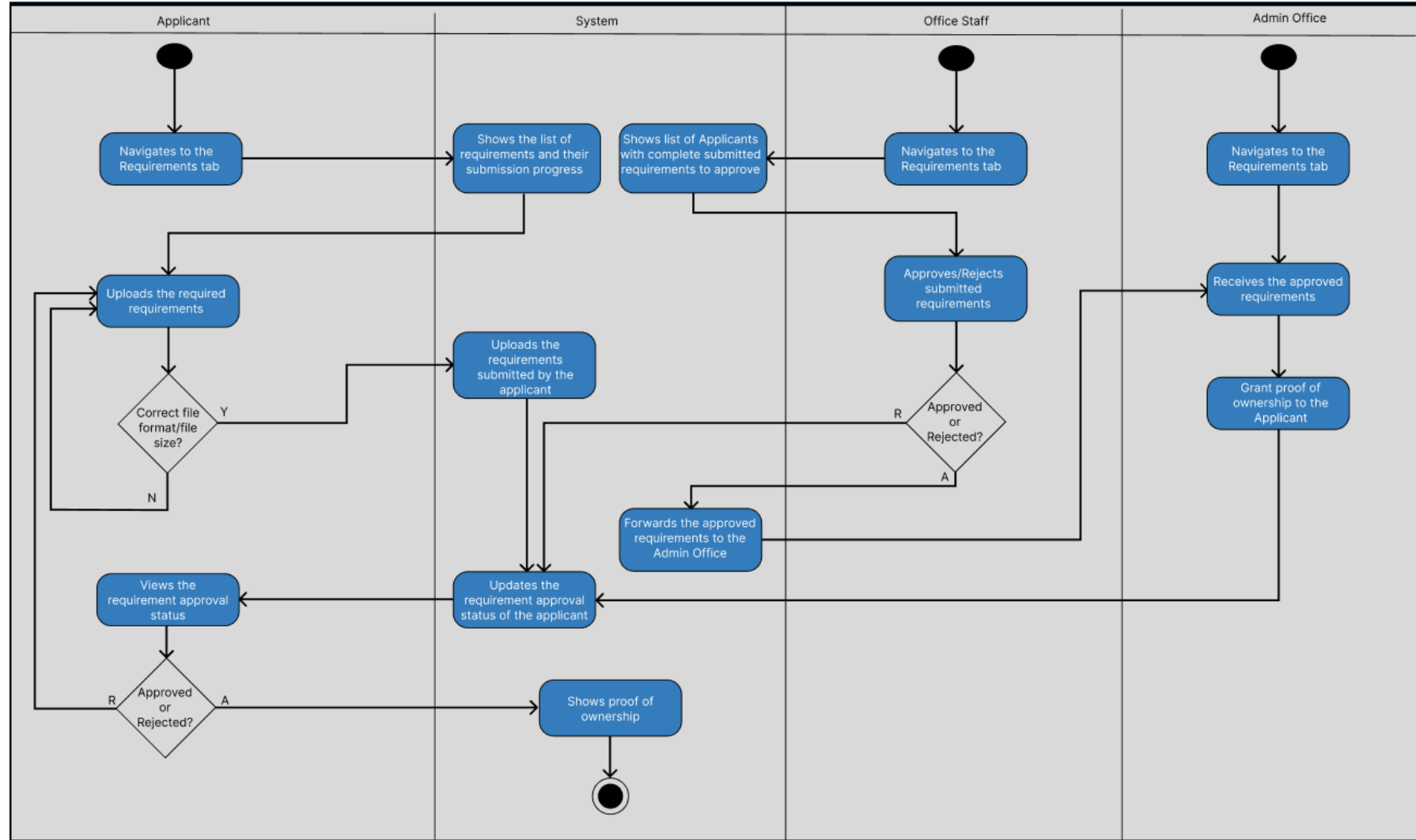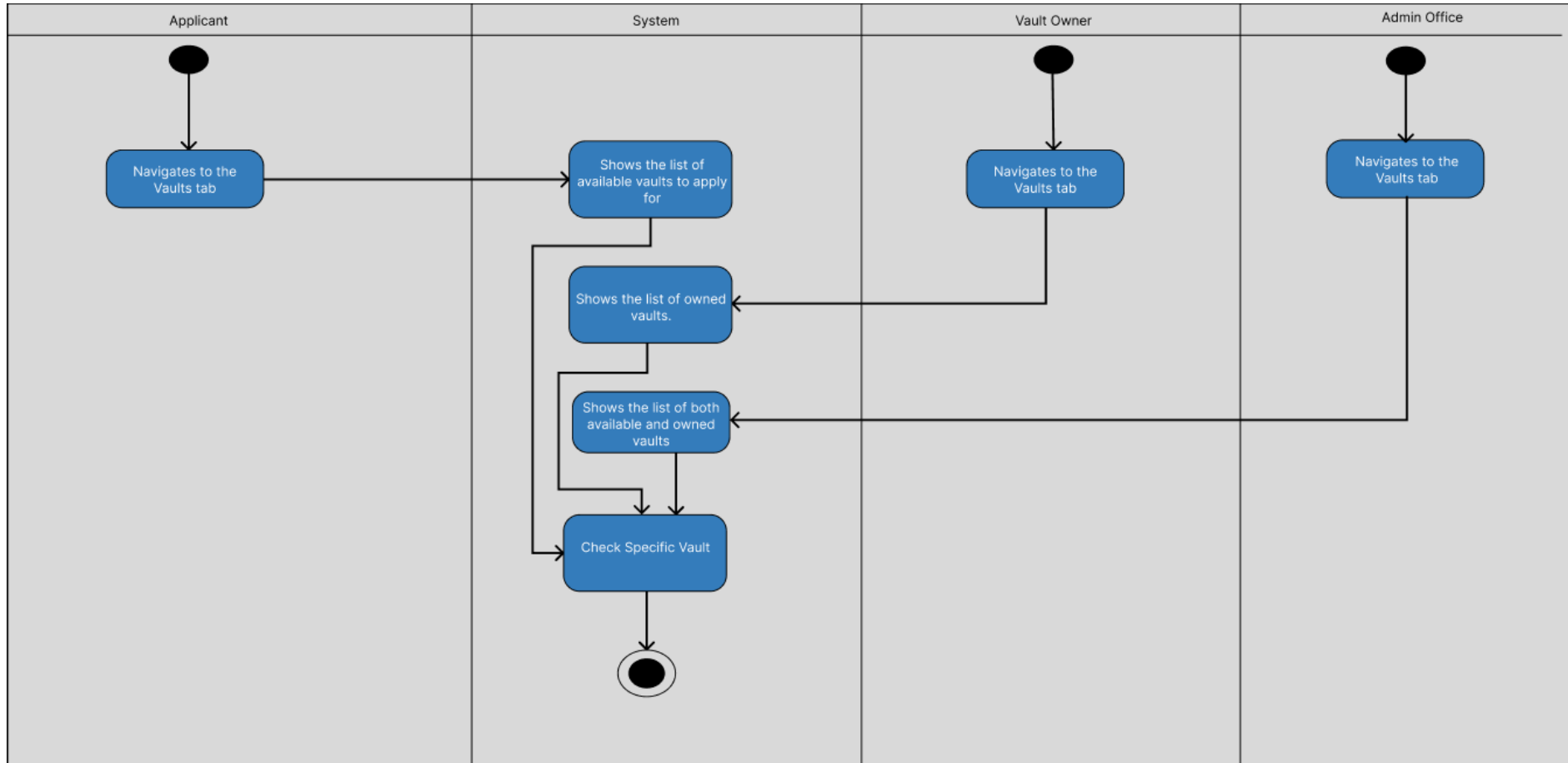| Project Name	VMS
Module Name	Manage Donation
Test Case ID	TC-005-01
Test Case Description	Verify that the Applicant can successfully give donation.
Reference Document	Use Case UC-005
Pre-Conditions	• The Applicant must be logged in the system.
Test Steps	1. Login on the Applicant view of the VMS. 2. Click on the "Donation" tab. 3. Verify that the system is directed to the "Donation" tab. 4. Verify that the system showed the donation amount required 5. Choose payment method 6. Process payment 7. The system issues donation receipt

Test Data	• Applicant login credentials:
	
	    o Email: applicant@email.com
	
	    o Password: donate123

Expected Result	• The Applicant successfully gives donation
Post Condition	• The Applicant donated and received donation receipt
Actual Result:	[To be filled in after test execution]
Status:	[To be set as Pass or Fail based on the actual result]
Comments	None
Created By	John Keisuke Miyabe
Date of Creation	10/24/2024
Reviewed By	John Keisuke Miyabe
Date of Review	TBA
Executed By	TBA
Date of Execution	TBA

ACTIVITY DIAGRAM

ACTIVITY DIAGRAM
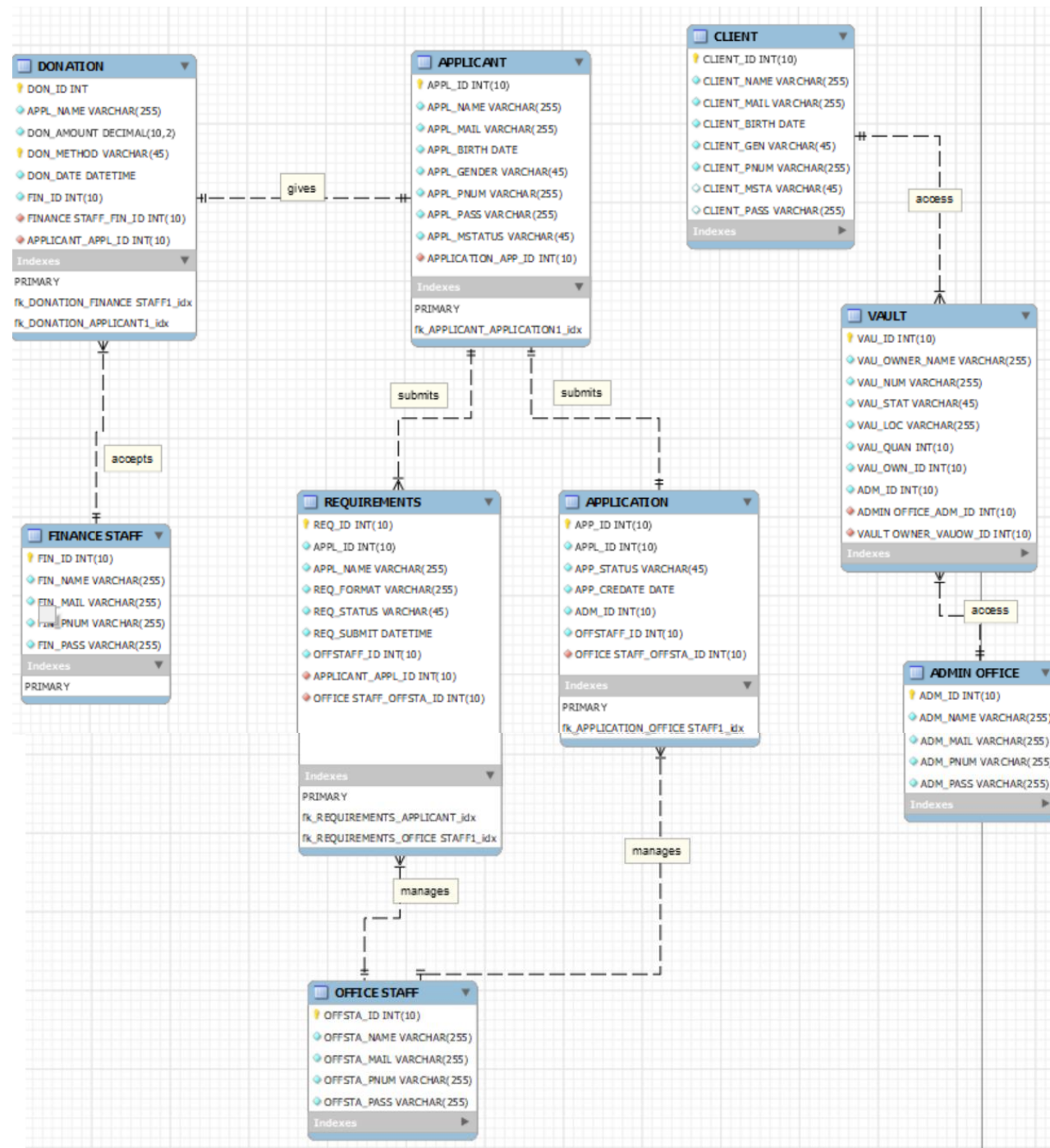
ACTIVITY DIAGRAM

ACTIVITY DIAGRAM

ERD

DEMONSTRATION

CONTRIBUTION

JOHN KEISUKE MIYABE
- DFD 0-2
- USE CASE
- FULLY DRESSED
- ERD
- Prototype

JOHN EMMANUEL PIALA
- DOCUMENTATION
- ERD

KYLA AMOR PANTINO
- DOCUMENTATION
- ERD

HEIRO USANA
- TEST CASE
- ACTIVTIY DIAGRAM
- ERD