## Design Document: Exogredient

### Team A

Jason Nguyen (Team Leader) - 014232658 Eleazar Gomez - 012465490 David Nguyen - 015633187 Abe Malla - 016069649 Charles Kwak - 015368728 Hovhannes Babuchyan - 017228651



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# **Table of Contents**

Features	4
Upload - Create An Upload	4
Upload - Save Progress Of An Upload	4
Upload - Delete Progress Of An Upload	5
Upload - Continue Progress Of An Upload	6
Upload - Delete Own Upload	6
Report An Upload	7
Search For An Ingredient	7
Comment On An Upload	8
Search For A Store	9
Claim Store	9
Upvote / Downvote (Upload Or Store Owner's Description)	10
Display Profile View	11
Admin Delete Upload	11
Display Manage Store View.	12
Manage Store - Flag / Unflag An Ingredient In Their Store	12
Manage Store - Advertisement	13
Manage Store - Submit Description Of An Ingredient	13
Manage Store - Unclaim Store	14
Verify An Upload	15
Ingredient Save List - Add To Save List	15
Ingredient Save List - Delete From Save List	16
Ingredient Save List - View Item From Save List	16
Registration	17
Authentication - Login	18
Authentication - Logout	19
Authentication - Reset Password	19
Authorization	21
Logging	21
Archiving	21
Error Handling	22
Low-Level Diagrams	23
Logging Low Level	23
Authentication Low Level	24
Authorization Low Level	25
Archiving Low Level	26

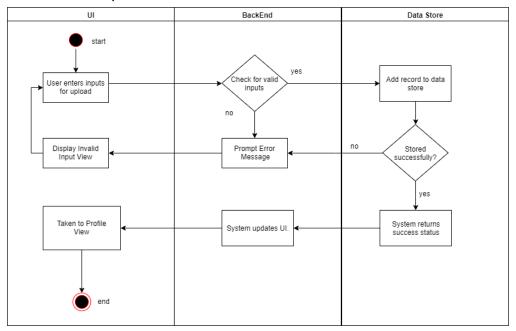
Error Handling Low Level	27
Registration Low Level	28
Reset Password Low Level	30
Code Validation Low Level	31

### **Features**

### Upload - Create An Upload

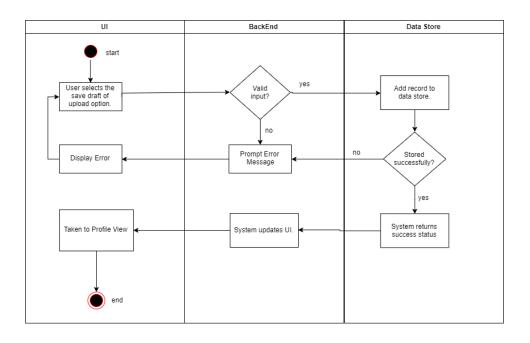
#### Preconditions:

- Must be logged in.
- Must be at the Upload View.



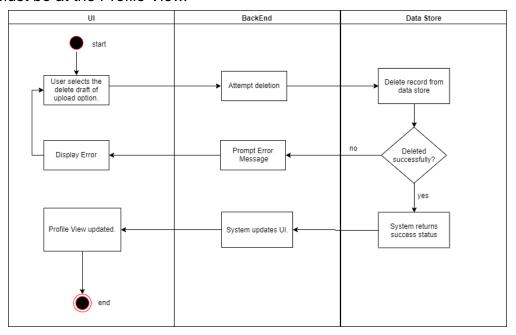
### Upload - Save Progress Of An Upload

- Must be logged in.
- Must be at the Upload View.



# Upload - Delete Progress Of An Upload

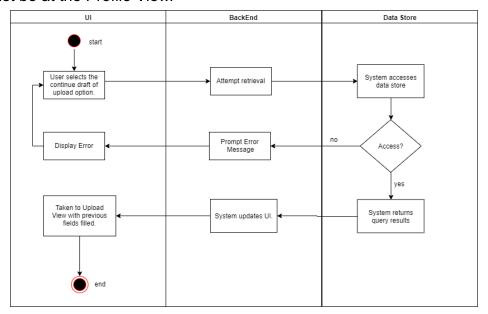
- Must be logged in.
- Must have a saved Upload draft.
- Must be at the Profile View.



### Upload - Continue Progress Of An Upload

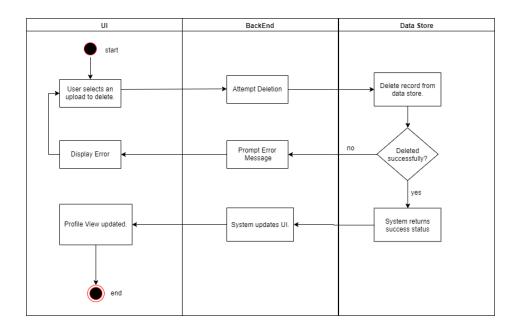
#### Preconditions:

- Must be logged in.
- Must have a saved Upload draft.
- Must be at the Profile View.



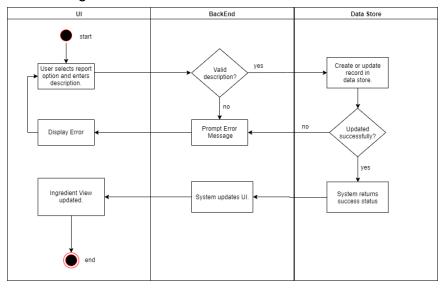
### Upload - Delete Own Upload

- Must be logged in.
- Must be at the Profile View.



### Report An Upload

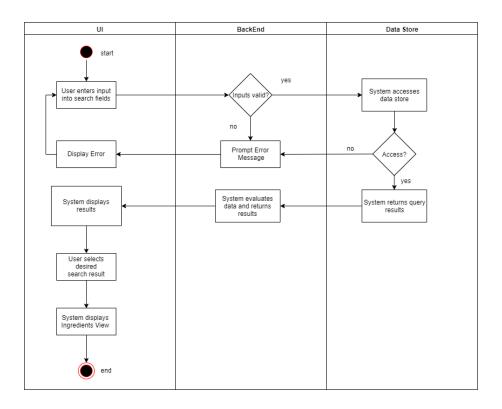
- Must be logged in.
- Must be at the Ingredient View.



### Search For An Ingredient

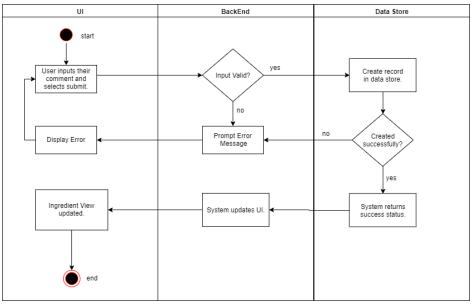
#### Preconditions:

• Must be at the Home View.



### Comment On An Upload

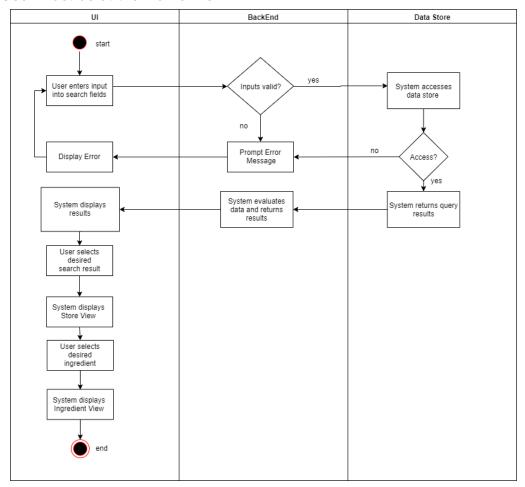
- User must be logged in.
- User must be at an Ingredient View.



#### Search For A Store

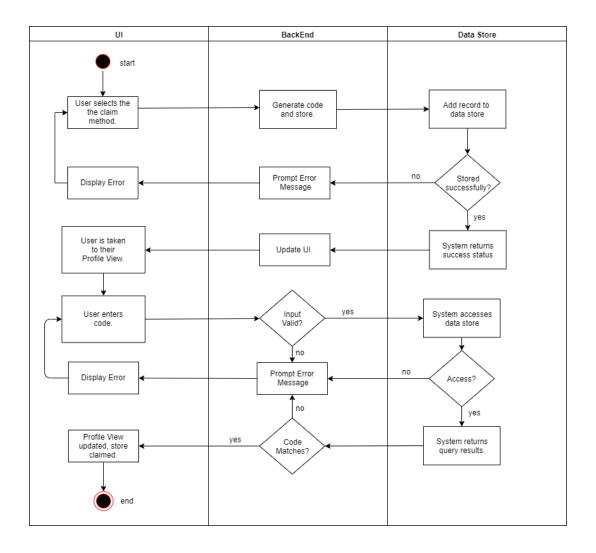
#### Preconditions:

• User must be at the Home View.



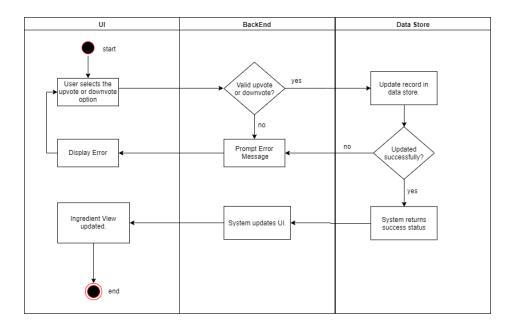
### Claim Store

- User must be logged in.
- User must be on an unclaimed store's Store View.



# Upvote / Downvote (Upload Or Store Owner's Description)

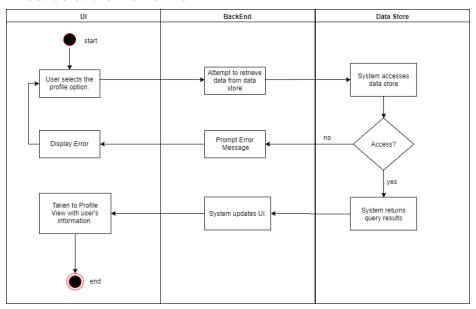
- Must be logged in.
- Must be at an Ingredient View.



### **Display Profile View**

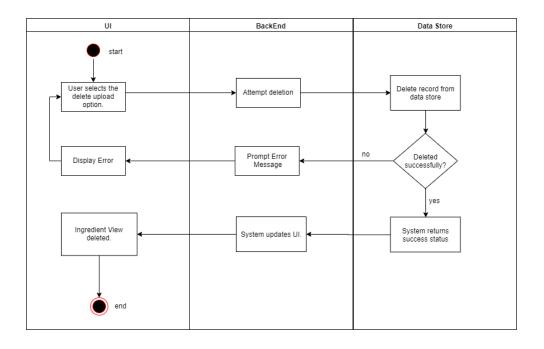
#### Preconditions:

- User must be logged in.
- User must be at the Home View.



### Admin Delete Upload

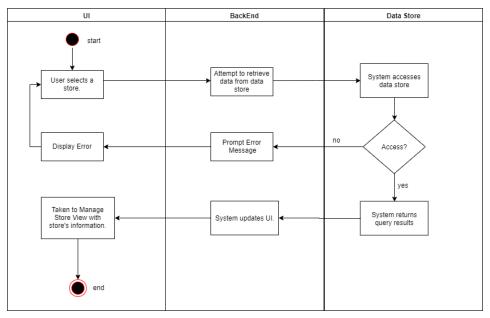
- User must be logged in with admin privileges.
- User must be at an Ingredient View.



### Display Manage Store View.

#### Preconditions:

- User must be logged in and have Store Owner privileges.
- User must be at the Profile View.

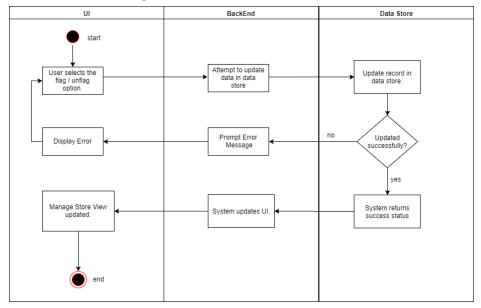


### Manage Store - Flag / Unflag An Ingredient In Their Store

#### Preconditions:

User must be Store Owner.

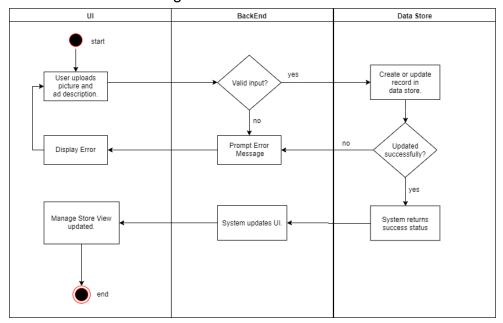
• User must be on Manage Store View.



### Manage Store - Advertisement

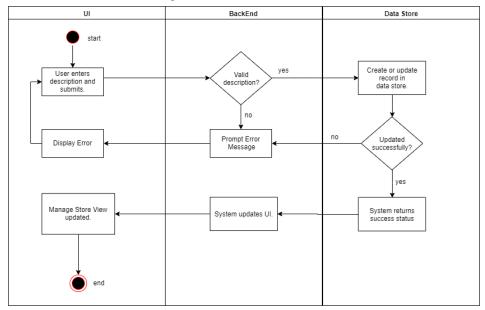
#### Preconditions:

- User must be logged in and have Store Owner privileges.
- User must be at the Manage Store View.



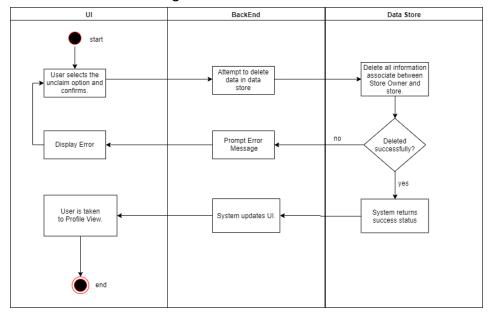
### Manage Store - Submit Description Of An Ingredient

- User must be logged in with Store Owner privileges.
- User must be on the Manage Store View.



### Manage Store - Unclaim Store

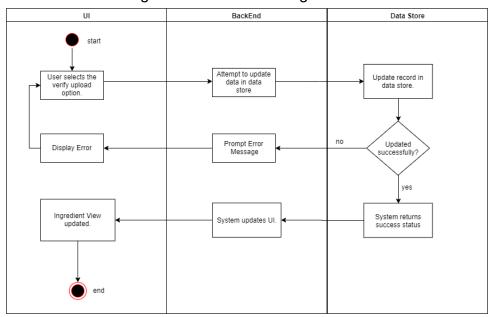
- User must be logged in and have Store Owner privileges.
- User must be on the Manage Store View.



### Verify An Upload

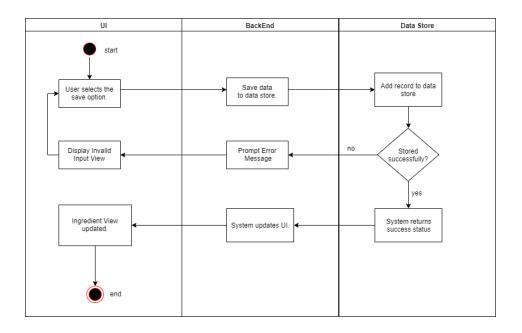
#### Preconditions:

- User must be logged in and have Store Owner privileges.
- User must be on an Ingredient View for an ingredient from their store.



### Ingredient Save List - Add To Save List

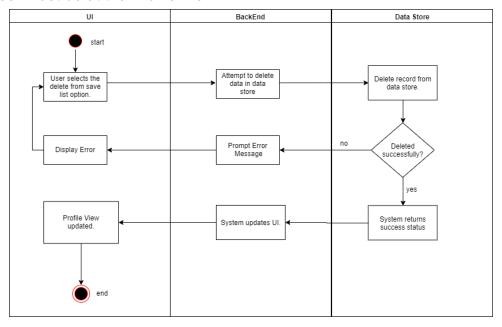
- User must be logged in.
- User must be at the Profile View.



### Ingredient Save List - Delete From Save List

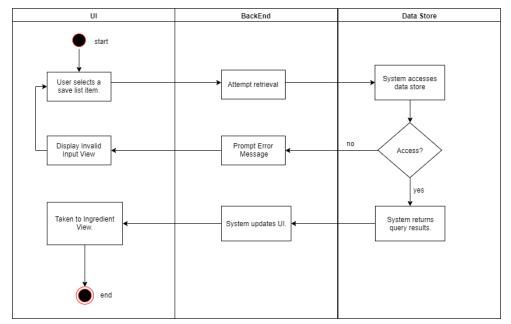
#### Preconditions:

- User must be logged in.
- User must have a saved item on their save list.
- User must be at the Profile View.



### Ingredient Save List - View Item From Save List

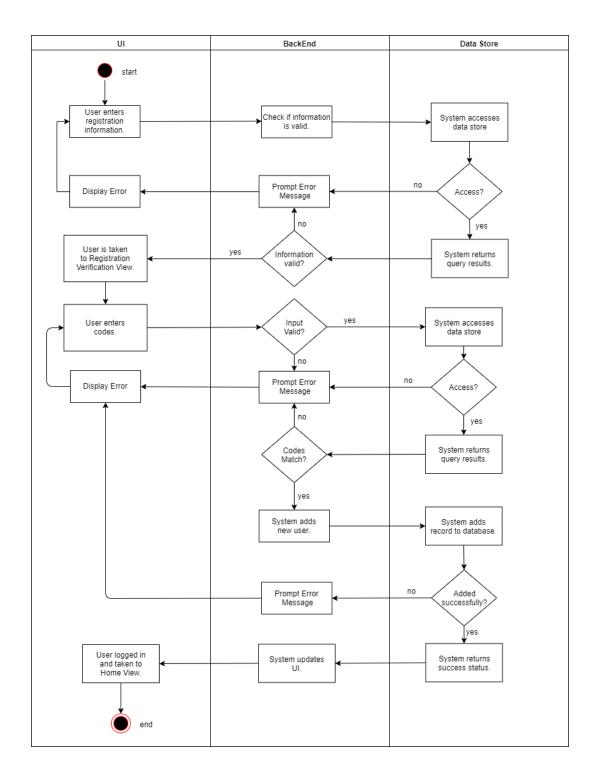
- User must be logged in.
- User must have a saved item on their save list.
- User must be at the Profile View.



### Registration

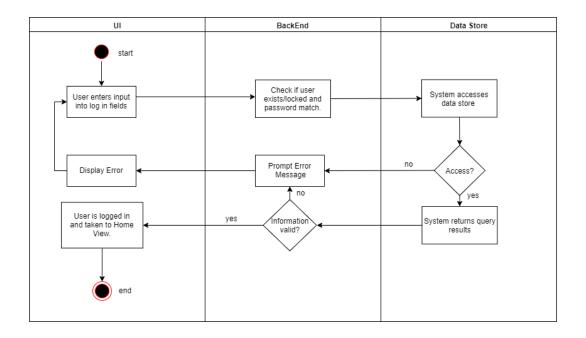
#### Preconditions:

• User must not be logged in.



### Authentication - Login

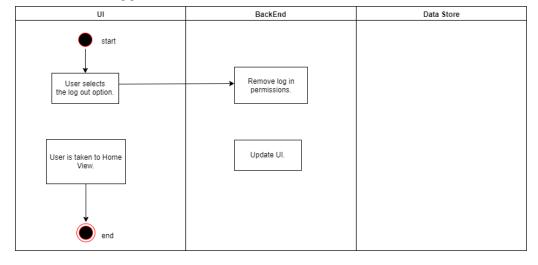
- User must be not logged in.
- User must have a registered account.



### **Authentication - Logout**

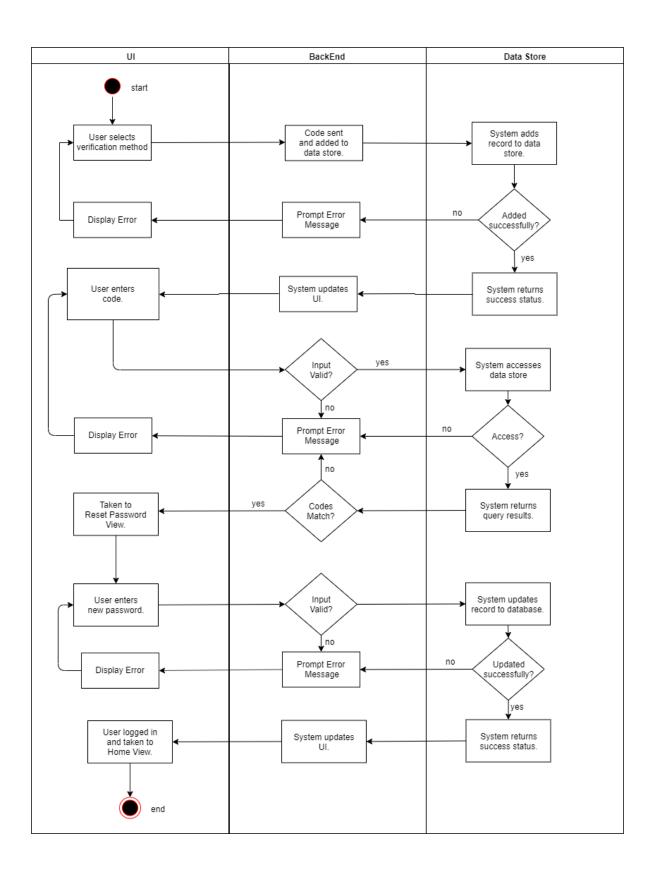
#### Preconditions:

• User must be logged in.



### Authentication - Reset Password

- User must not be logged in to an account.
- User must be on Log In View.

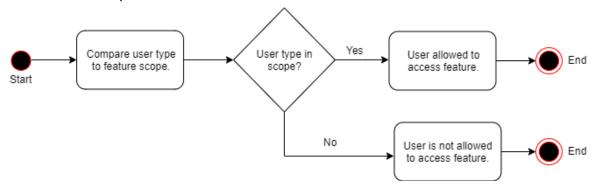


# THE FOLLOWING DIAGRAMS DO NOT INCLUDE UI, SO THEY WILL BE REPRESENTED AS ACTIVITY DIAGRAMS

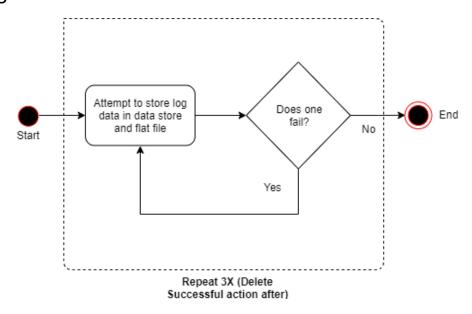
### Authorization

#### Preconditions:

• User attempts to interact with a feature.



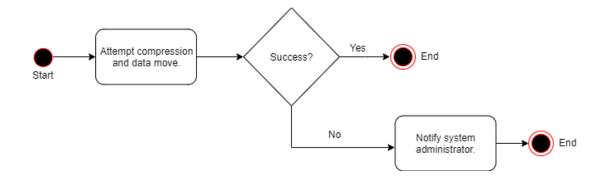
### Logging



### Archiving

#### Preconditions:

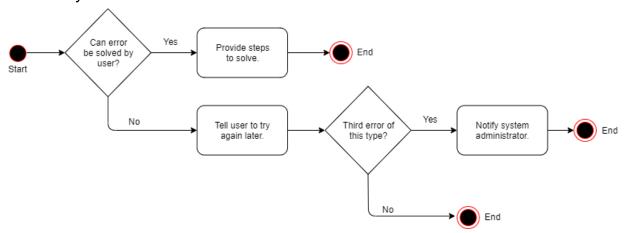
• Access to logs, 30 days or older.



# **Error Handling**

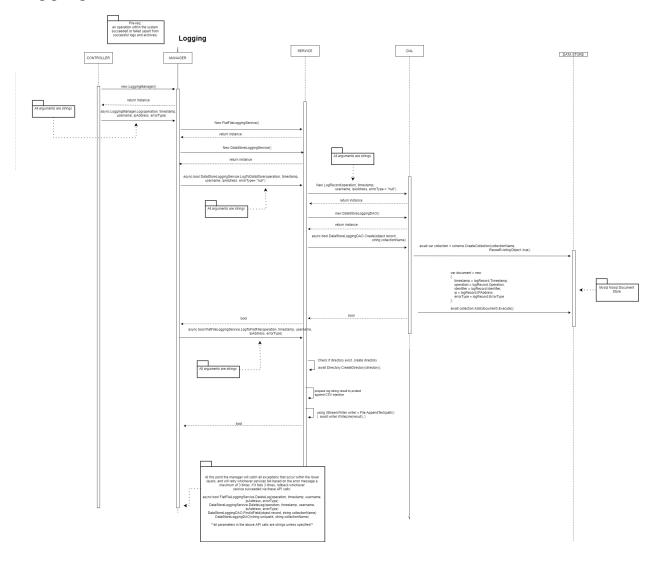
#### Preconditions:

• A system error occurs.

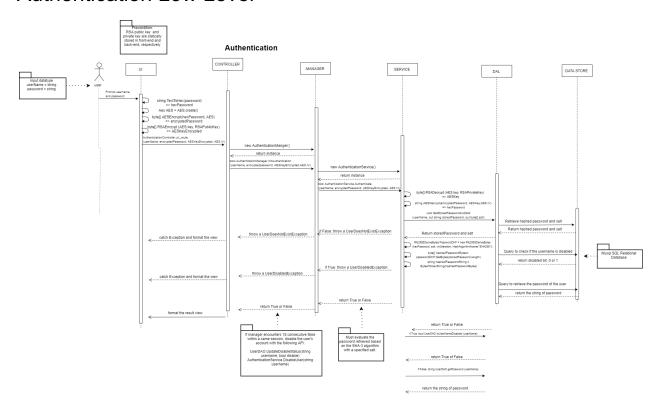


# Low-Level Diagrams

# Logging Low Level

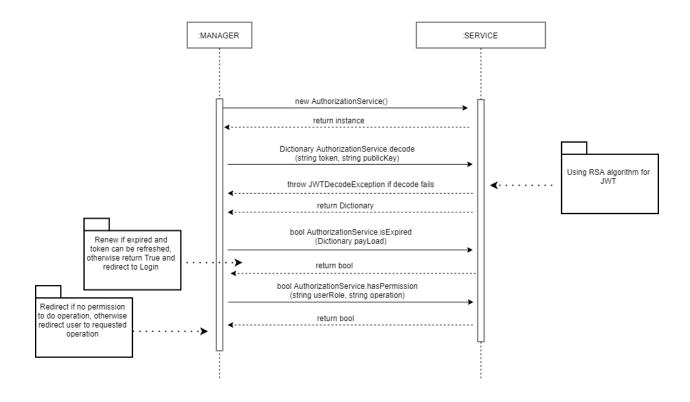


### **Authentication Low Level**



### **Authorization Low Level**

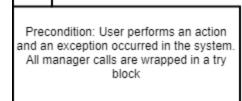
#### **Authorization**



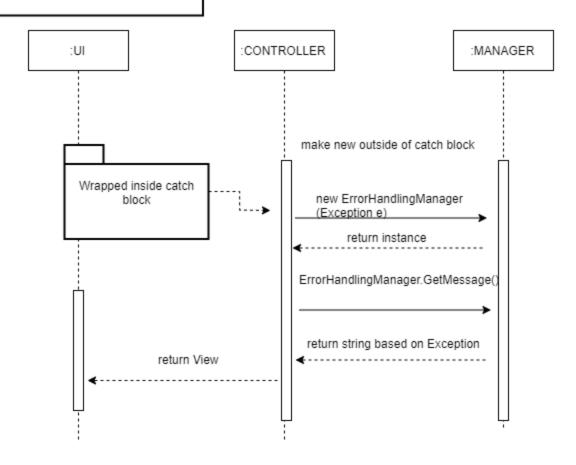
## **Archiving Low Level**

#### Archiving :MANAGER :CONTROLLER :SERVICE :DATA STORE :DAL new ArchivingService() return instance bool ArchivingService.Execute (DateTime time) bool FlatFileArchivingDAO.Compress (DateTime time) Compress flat files into .7Z Catch any exception, throw ArchivingExcept return bool bool FlatFileArchivingDAO.Send (string compressName) throw ArchivingException Catch, Log failure via LoggingService Catch any exception, throw ArchivingException return bool throw ArchivingException Ping machine and check if compressed file exists return bool bool FlatFileArchivingDAO.Remove (string compressName) Remove compressed file from the current machine throw ArchiveRemovalException Catch, Log failure via LoggingService if false: throw ArchivingException cenario of deleting logs one by one what to do

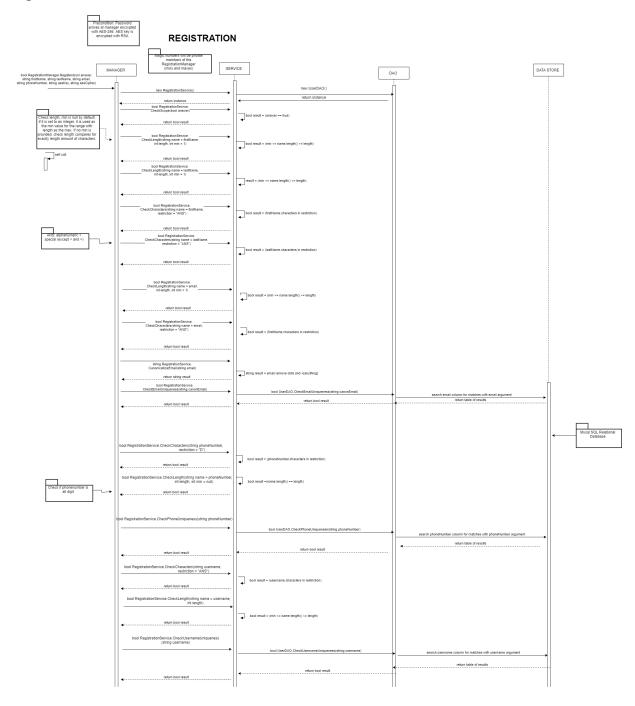
### Error Handling Low Level

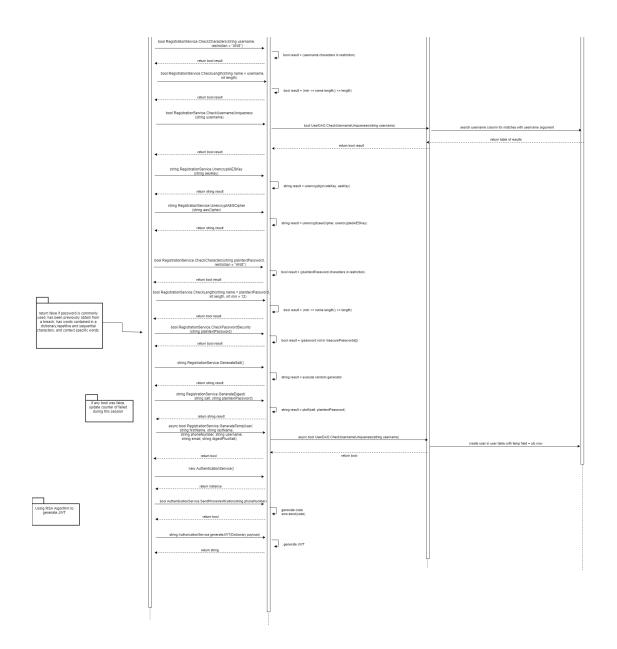


# User General Error Handling

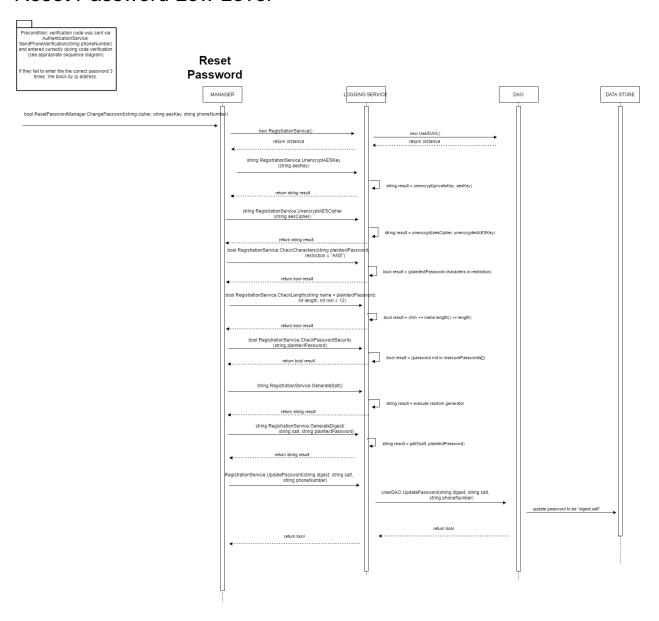


# Registration Low Level





### Reset Password Low Level



### Code Validation Low Level

