



# **Requirements Specification**

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**Project OPEN FDA Prototype (Requirements)**

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## Introduction

The purpose of this document is to define the requirements.

## View OpenFDA Data

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1535

### *Artifact Content*

#### **Use Case: View OpenFDA Data**

##### **Brief Description**

A registered user can view OpenFDA data.

##### **Applicable Actors**

Registered User to provide secure account information in order to consume OpenFDA data.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and FDA data sources are displayed to the registered user.
- 4 The registered user selects the data source and enters filter parameters to view data.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**

## Authenticate Registered User

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1533

### *Artifact Content*

#### **Use Case: Authenticate Registered User**

##### **Brief Description**

A registered user has the ability to log into the web application.

##### **Applicable Actors**

Registered User can enter their username and password to access restricted areas of the web application.

##### **Basic Flow of Events**

1 The registered user will enter their username and password, then click submit to gain access to web application.

##### **Alternate Flows**

###### ***Alternate Flow 1***

1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.

2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

##### **Postconditions**

## Consume OpenFDA Data

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1534

### *Artifact Content*

#### **Use Case: Consume OpenFDA Data**

##### **Brief Description**

A registered user can consume OpenFDA data.

##### **Applicable Actors**

Registered User to provide secure account information in order to consume OpenFDA data.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and FDA data sources are displayed to the registered user for consumption.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**

## Export named dataset

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1538

### *Artifact Content*

#### **Use Case: Export named dataset**

##### **Brief Description**

A registered user can export his named dataset for offline use.

##### **Applicable Actors**

Registered User to provide secure account information in order to export saved datasets.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and named datasets are displayed to the registered user.
- 4 The registered user selects the dataset for exporting.
- 5 The registered user clicks button to export the dataset.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

###### **Alternate Flow 1**

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

- 1 The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**

## Modify saved dataset

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1543

### *Artifact Content*

#### **Use Case: Modify saved dataset**

##### **Brief Description**

A registered user can modify saved dataset.

##### **Applicable Actors**

Registered User to provide secure account information in order to export saved datasets.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and named datasets are displayed to the registered user.
- 4 The registered user selects from a list of saved dataset to modify.

##### **Alternate Flows**

##### ***The Secure Profile Information is Incorrect***

###### **Alternate Flow 1**

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

- 1 The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**



## Remix saved dataset

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1539

### *Artifact Content*

#### **Use Case: Remix saved dataset**

##### **Brief Description**

A registered user can remix saved dataset. [Features](#)

##### **Applicable Actors**

Registered User to provide secure account information in order to export saved datasets.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and named datasets are displayed to the registered user.
- 4 The registered user selects from a list of predefined remixes to run.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

###### **Alternate Flow 1**

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

- 1 The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**

## Save OpenFDA Data as named dataset

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1536

### *Artifact Content*

#### **Use Case: Save OpenFDA Data as named dataset**

##### **Brief Description**

A registered user can save OpenFDA data for later use.

##### **Applicable Actors**

Registered User to provide secure account information in order to save OpenFDA data.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and FDA data sources are displayed to the registered user.
- 4 The registered user selects the data source and enters filter parameters to view data.
- 5 The registered user selects save dataset.
- 6 The registered user enters the dataset name.
- 7 The registered user clicks button to save dataset.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

###### **Alternate Flow 1**

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

###### **Alternate Flow 2**

- 1 If the user did not provide a name foe dataset, the user will receive a dialog indicating the the dataset name is missing.

##### **Preconditions**

The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.

##### **Postconditions**

## Share named dataset with other registered users

### *Attributes*

Attribute	Value
Artifact Type	Feature
Identifier	1537

### *Artifact Content*

#### **Use Case: Share named dataset with other registered users**

##### **Brief Description**

A registered user can share his named dataset with other registered users.

##### **Applicable Actors**

Registered User to provide secure account information in order to shared saved OpenFDA data.

##### **Basic Flow of Events**

- 1 The website is accessed
- 2 A registered user will provide their the login and password.
- 3 The credentials provided are correct and named datasets are displayed to the registered user.
- 4 The registered user selects the dataset for sharing.
- 5 The registered user selects a registered user to share the dataset with.
- 6 The registered user clicks button to share the dataset.

##### **Alternate Flows**

###### ***The Secure Profile Information is Incorrect***

##### **Alternate Flow 1**

- 1 If the user is not registered or login is incorrect, the user will receive a dialog indicating that the login was not successful.
- 2 If the login is valid and the password is incorrect, the user receive a dialog indicating that the login was not successful.

##### **Preconditions**

- 1 The user must be a registered user. If he/she is not a registered user than they must complete the steps to create a registered account.
- 2 There must be another registered user to share the dataset with. If there are no other registered users than a new user must complete the steps to create a registered account.

##### **Postconditions**

## **Validate all input**

### *Attributes*

Attribute	Value
Artifact Type	Non-Functional
Identifier	1541
Priority	Medium

### *Artifact Content*

## Encrypt all sensitive data

### *Attributes*

Attribute	Value
Artifact Type	Non-Functional
Identifier	1542
Priority	Medium

### *Artifact Content*

## Support multiple users

### *Attributes*

Attribute	Value
Artifact Type	Non-Functional
Identifier	1540
Priority	Medium

### *Artifact Content*