

# Software Requirements Specification (SRS) Document

## *Publishing Datasets and Version*

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### Brief Problem Statement

In this project we are building a web application that will provide an interface for publishing datasets and updating their versions. Additional functionality includes the update and deletion of uploaded datasets. Further, the web application also allows consumers to raise comments or flags which the owners can review and edit as desired.

### User Profile

1. Owners: Will use the portal to upload datasets and manage versions
2. Consumers: Will raise comments/flags regarding the datasets which may include any issues they faced while using, some points, etc

### Feature requirements (Described using use cases)

No.	Use Case Name	Description
1	Upload new dataset	Upload a new dataset that does not exist in the system
2	Upload new version	Upload a new version of a dataset for which one or more versions are already present in the system
3	Update a version	Replace a specific version of a dataset for which one or more versions are already present in the system
4	Delete old version*	Delete a specific version of a dataset for which one or more versions are already present in the system
5	Raise flags	Raise flags or comments regarding the datasets
6	Rectify flags	Remove flags or comments that have been addressed

## Use case Description

Use Case Number:	1
Use Case Name:	Upload new dataset
Overview	Upload a new dataset that does not exist in the system
Actors	Owners
Pre Condition	The dataset does not exist in the system and the owner proceeds to upload
Flow:	<ol style="list-style-type: none"><li>1. Owner logs on to portal</li><li>2. Owner selects Upload Button</li><li>3. Owner fills metadata of the dataset</li><li>4. Owner selects the dataset file</li><li>5. Owner presses the upload button</li></ol>
Post Condition:	The dataset will be added into the system and a unique identifier will be generated

Use Case Number	2
Use Case Name	Upload new version
Overview	Upload a new version of a dataset for which one or more versions are already present in the system
Actors	Owners
Pre Condition	Dataset exists in the system and the owner wants to upload newer version
Flow:	<ol style="list-style-type: none"><li>1. Owner logs in to the portal</li><li>2. Owner selects Review button</li><li>3. Owner selects the particular dataset using the identifier.</li><li>4. Owner gives a new version number.</li><li>5. Owner presses the upload button.</li></ol>
Post Condition:	New version of the dataset should be uploaded

Use Case Number	3
Use Case Name	Update a version
Overview	Replace a specific version of a dataset for which one or more versions are already present in the system
Actors	Owners
Pre Condition	A specific version of the dataset is present in the system which the owner wants to replace
Flow:	<ol style="list-style-type: none"> <li>1. Owner logs on to the portal</li> <li>2. Owner selects the review button</li> <li>3. Owner Inputs the unique identifier to retrieve details</li> <li>4. Owner inputs the version number that needs to be updated</li> <li>5. Owner makes any required changes to metadata</li> <li>6. Owner clicks the upload button</li> </ol>
Post Condition:	The specific version of the dataset will be updated

Use Case Number	4
Use Case Name	Delete old version
Overview	Delete a specific version of a dataset for which one or more versions are already present in the system
Actors	Owners
Pre Condition	Specific version should exist in the system which the owner wants to delete
Flow:	<ol style="list-style-type: none"> <li>1. Owner logs in to the portal</li> <li>2. Owner selects the review button.</li> <li>3. Owner finds the particular dataset using the identifier.</li> <li>4. Owner deletes the specified version of the dataset by pressing the delete button.</li> </ol>
Post Condition:	The specific version of the dataset should get deleted

Use Case Number	5
Use Case Name	Raise Flags
Overview	Raise flags or comments regarding the datasets
Actors	Consumers
Pre Condition	A specific version of the dataset exists in the system and has been used by the consumer
Flow:	<ol style="list-style-type: none"> <li>1. Consumer logs on to the portal</li> <li>2. Consumer selects the review button</li> <li>3. Consumer inputs the unique identifier and version</li> <li>4. Consumer adds desired comments/flags</li> <li>5. Consumer click update button</li> </ol>
Post Condition:	The flags/comments updated by the consumer will be added to the dataset.

Use Case Number	6
Use Case Name	Rectify Flags
Overview	Remove flags or comments regarding the datasets that have been addressed
Actors	Consumers
Pre Condition	In a specific version of the dataset flags/comments added by consumers will be removed upon review.
Flow:	<ol style="list-style-type: none"> <li>1. Owner logs on to the portal</li> <li>2. Owner selects the review button</li> <li>3. Owner inputs the unique identifier and version</li> <li>4. Owner removes desired comments/flags</li> <li>5. Owner click update button</li> </ol>
Post Condition:	The flags/comments updated by the consumer will be added to the dataset.