

Open Data System

The User(Primary actor)  
Interacts with the DataSet  
Management System which

Login Flowchart Extension Points

This flowchart represents the login process and  
includes extension points at Point 1.

Invalid Password Extension in Login  
Flowchart

The flowchart shows that an invalid  
password leads to an extension point in  
the login process, which triggers the  
LOGIN to EXTENDS LOGIN transition.

Registration with Extension Points

This flowchart outlines a process that involves  
registration and includes extension points at  
Point 1.

Data Access Flowchart

The flowchart outlines the process of accessing  
data through three points: Access Data, Point 1,  
and Extension Points.

Data Download Flowchart

The flowchart outlines the process of downloading  
data and includes three main steps: downloading  
the data, accessing point 1, and utilizing extension  
points.

Data Upload Flowchart

The flowchart outlines the process of uploading  
data and includes three main points: uploading the  
data, point 1, and extension points.

USER/CONTRIBUTOR

LOGIN

Invalid Password  
Extension Points  
EXTENDS LOGIN

REGISTER

ACCESS DATA

DOWNLOAD DATA

UPLOAD DATA

VALIDATE CREDENTIALS

CREATE NEW USER

CREATE VIEWS

CREATE THE FILE TO DOWNLOAD

CHOOSE DATA TYPE

VALIDATE THE DATA TYPE

UPLOAD DATA TO SYSTEM

AUTHENTICATION SYSTEM

SYSTEM VIEWS

DOWNLOAD SYSTEM

UPLOAD SYSTEM

Use case shape key



Actor



Use case



Use case extension



System

Inside the Rectangle are called  
System Event or sequence of  
operation(oval shape) performed  
by the system (DataBase  
Management System)