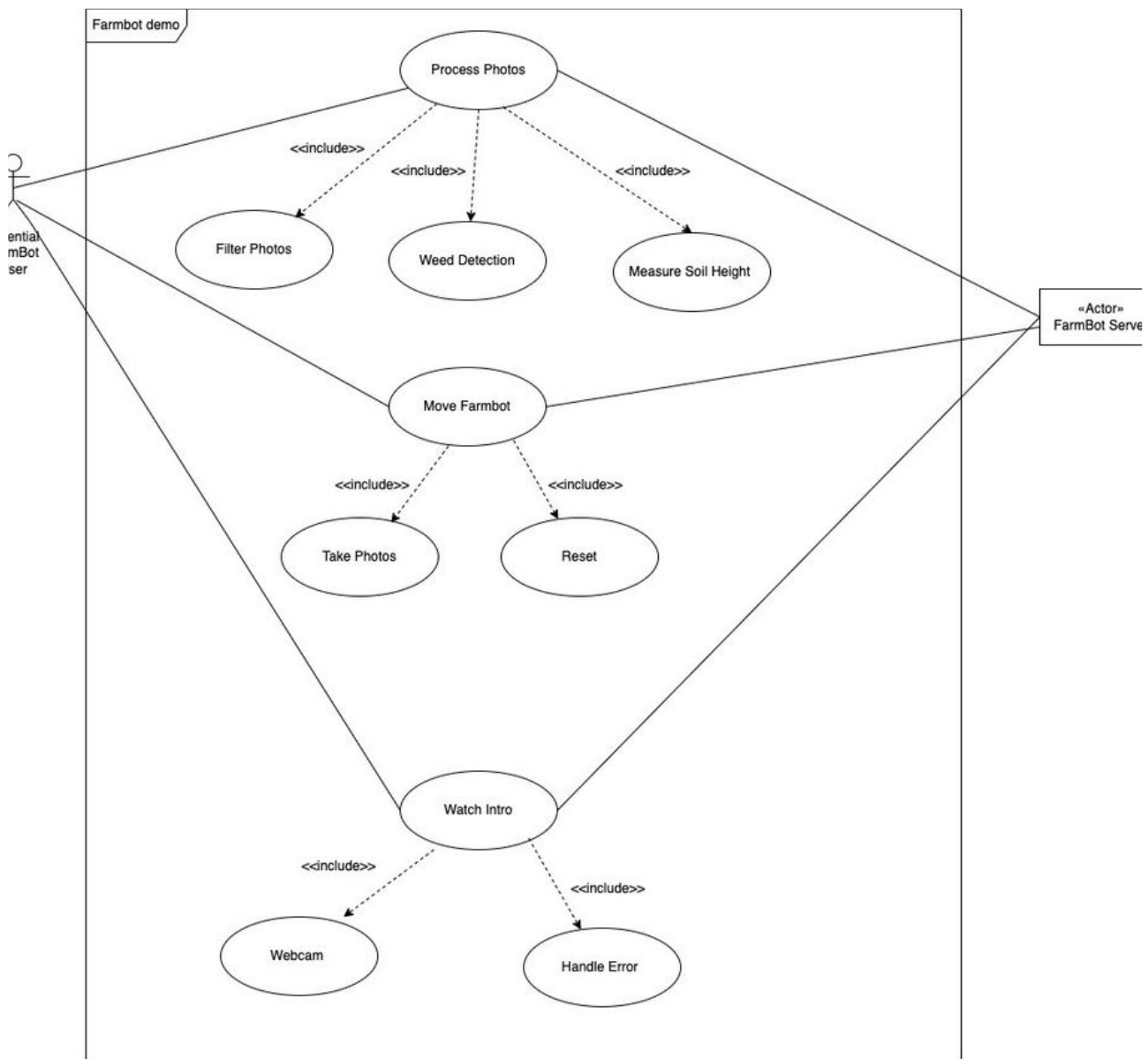# Use Case Diagram

The provided use case diagram outlines three key scenarios within the FarmBot control panel interface, each catering to potential users of FarmBot. Here's a brief explanation of each:

Use Case 01: Process Photos in UI This use case focuses on the process of handling photos within the FarmBot control panel's user interface. It allows users to filter, view, and perform actions on photos related to their FarmBot activities. Users are required to be logged in to access this feature. They can access the demo page through a web or mobile application, navigate to the 'Photos' tab, apply filters, and view the results. There are also alternative paths for specific actions like weed detection, soil height measurement.

Use Case 02: Move FarmBot in UI This use case simulates the movement of a FarmBot within the user interface, offering users the ability to control the robot's movement and take photos. After logging in, users can access the 'MOVE' tab, select a direction for FarmBot movement, and initiate the simulated movement. Alternative paths are available for taking photos and resetting the robot's location.

Use Case 03: Watch Intro Video This use case provides users with an introductory video to familiarize them with FarmBot's functionality. The rationale behind this is to offer a visual demonstration of the FarmBot in action, helping potential users understand its operation and interaction with plants. Users, after logging in, can access the 'webcam' tab, where a window pops up displaying the intro video. In case of any issues loading the video, an alternative path is available, redirecting users to a link to watch the video externally. The primary goal here is to give users an informative and engaging overview of FarmBot's capabilities.

In all these use cases, the preconditions ensure that users are logged into the FarmBot control panel, and the post-conditions indicate successful completion of the respective tasks. Overall, these use cases serve to showcase and educate potential users about the features and functionalities of FarmBot through the user interface.