Guest

Registering account

- **Description:** A *Guest* wants to register an account as *User*
- **Prerequisite:** The Planth Health ™ website's home page is open
- **Steps:**
  1. The *Guest* clicks on the register button and gets redirected to the registration page
  2. The *Guest* is prompted to enter an email, a username and a password
  3. After all the required fields are filled, the *Guest* can click on the register button
- **Postcondition:** The *Guest* is now registered as *User*
- **Alternatives:**

  A)
  4. The email / username is already being used by another existing account
  5. An error message is diplayed, stating which field is already being taken
  6. Step 2

  B)
  3. The *Guest* click on the register button without filling all the mandatory fields
  4. An error message is displayed, stating that all fields must be filled
  5. Step 2
- **Classes Involved:** *Guest*

Upload picture

- **Description:** A *Guest / User / Gardener / Administrator* wants to upload a picture of a plant
- **Prerequisite:** A *Guest / User / Gardener / Administrator* has a device that can scan QR code
- **Steps:**
  1. The *Guest / User / Gardener / Administrator* scan the plant's QR code
  2. Once the QR code is scanned, the *Guest / User / Gardener / Administrator* gets redirected to the plant gallery page
  3. Here the *Guest / User / Gardener / Administrator* click the upload new picture button
  4. The *Guest / User / Gardener / Administrator* gets redirected to its own device gallery where the picture to upload can be chosen
- **Postcondition:** The picture gets added to a review list where the plant's *Gardener* will have to approve or deny it, before it gets added to the viewable gallery of the plant
- **Alternatives:**
- **Classes Involved:** *Guest / User / Gardener / Administrator*

User

Log in

- **Description:** A *User / Gardener / Administrator* logs in their account
- **Prerequisite:** A valid account should already being registered, the Planth Health ™ website's home page is open
- **Steps:**
  1. A *User / Gardener / Administrator* enters an email and a password and click the log in button
- **Postcondition:** The *User / Gardener / Administrator* gets redirected in its dashboard page
- **Alternatives:**

  A)
  2. If the entered email is not linked to any active Planth Health ™ account, an error message is displayed, stating that there is no account with this email.
  3. Step 1

  B)

2. If the password is not correct, an error message is displayed, stating that the entered password is wrong
3. Step 1
- **Classes Involved:** *User / Gardener / Administrator*

Log out
- **Description:** A *User / Gardener / Administrator* logs out from their account
- **Prerequisite:** A *User / Gardener / Administrator* is already logged in and any Planth Health ™ website's home page is open
- **Steps:**
  1. The *User / Gardener / Administrator* clicks on the log out button
- **Postcondition:** The *User / Gardener / Administrator* is now logged out of its account
- **Alternatives:**
- **Classes Involved:** *User / Gardener / Administrator*

Add plant to dashboard
- **Description:** A *User / Gardener / Administrator* adds a plant to their dashboard
- **Prerequisite:** A *User / Gardener / Administrator* is already logged in and the dashboard page is open
- **Steps:**
  1. The *User / Gardener / Administrator* click on the add button next to the chosen plant
- **Postcondition:** The plant is now present in the *User / Gardener / Administrator* 's dashboard page
- **Alternatives:**
  A)
  2. If the plant is already present in the *User / Gardener / Administrator* 's dashboard, then an error message will be displayed, stating that the plant is already part of the *User / Gardener / Administrator* 's dashboard
- **Classes Involved:** *User / Gardener / Administrator*

Remove plant from dashboard
- **Description:** A *User / Gardener / Administrator* remove a plant from their dashboard
- **Prerequisite:** A *User / Gardener / Administrator* is already logged in, the dashboard page is open and at least one plant is present in the *User / Gardener / Administrator* 's dashboard
- **Steps:**
  1. The *User / Gardener / Administrator* click on the remove button next to the chosen plant
- **Postcondition:** The plant is now removed from the *User / Gardener / Administrator* 's dashboard
- **Alternatives:**
- **Classes Involved:** *User / Gardener / Administrator*

Gardener

Set accesspoint transmission intervals
- **Description:** A *Gardener / Administrator* sets the accesspoint transmission intervals of a greenhouse
- **Prerequisite:** A *Gardener / Administrator* is already logged in and the statistic page for a greenhouse (for a *Gardener*) or the manage greenhouse page (for an Administrator) is open and at least one plant is present
- **Steps:**
  1. The *Gardener / Administrator* click on edit
  2. A pop-up opens where the *Gardener / Administrator* can edit the intervals
- **Postcondition:** The intervals are now updated correctly
- **Alternatives:**
  A)

3. If the *Gardener / Administrator* enters a non recognized value, an error message will be displayed, stating that the entered value is not recognized

B)
3. If the *Gardener / Administrator* enters a value that is either too small or too large than some defined limit values, an error message will be displayed, stating that the entered value is too small or too large

- **Classes Involved:** *Gardener / Administrator*

Set greenhouse thresholds

- **Description:** A *Gardener / Administrator* sets the sensor's thresholds of a greenhouse
- **Prerequisite:** A *Gardener / Administrator* is already logged in and the statistic page for a greenhouse (for a *Gardener*) or the manage greenhouses page (for an Administrator) is open and at least one greenhouse is present
- **Steps:**
    1. The *Gardener / Administrator* click on edit
    2. A pop-up opens where the *Gardener / Administrator* can edit the thresholds
- **Postcondition:** The sensor's threshold are now updated correctly
- **Alternatives:**

    A)
    3. If the *Gardener / Administrator* enters a non recognized value, an error message will be displayed, stating that the entered value is not recognized

    B)
    3. If the *Gardener / Administrator* enters a value that is either too small or too large than some defined limit values, an error message will be displayed, stating that the entered value is too small or too large
- **Classes Involved:** *Gardener / Administrator*

Approve / Deny uploaded picture in plant's gallery

- **Description:** A *Gardener / Administrator* decides if approving or denying an uploaded picture of a plant
- **Prerequisite:** A *Gardener / Administrator* is already logged in, the greenhouse monitoring page is open and at least one greenhouse is present in the *Gardener / Administrator* 's greenhouse monitoring
- **Steps:**
    1. The *Gardener / Administrator* click on a greenhouse that has at least one picture waiting for approval (it is showed on the appropriate column)
    2. The *Gardener / Administrator* gets redirected to the greenhouse statistics page, where it's possible to click on the plant's gallery
    3. By clicking on the plant's gallery, the *Gardener / Administrator* gets redirected to the plant's gallery page, where it's possible to approve or deny the pictures waiting for approval
- **Postcondition:** All the approved pictures are now part of the plant's gallery, while the denied ones are deleted
- **Alternatives:**
- **Classes Involved:** *Gardener / Administrator*

Administrator

Add greenhouse

- **Description:** An *Administrator* adds a new greenhouse
- **Prerequisite:** An *Administrator* is already logged in and the manage greenhouses page is open
- **Steps:**
    1. The *Administrator* clicks on the add greenhouse button
    2. A pop-up opens where the *Administrator* must enter a UUID and an existing accesspoint, before clicking on save

- **Postcondition:** The new greenhouse is created and associated with an accesspoint
- **Alternatives:**

    A)
    3. If the UUID entered is already in used by another greenhouse, an error message will be displayed, stating that the entered UUID is already taken
    4. Step 2

    B)
    3. If the UUID entered is not in the correct format, an error message will be displayed, stating that the entered UUID is not in the correct format
    4. Step 2

    C)
    3. If the accesspoint enterted it doesn't exist, an error message will be displayed, stating that the entered accespoint doesn't exist
    4. Step 2
- **Classes Involved:** *Administrator*

Assign *Gardener* to greenhouse

- **Description:** An *Administrator* adds a *Gardener* to a greenhouse
- **Prerequisite:** An *Administrator* is already logged in, the manage greenhouses page is open and at least one greenhouse is present
- **Steps:**
    1. The *Administrator* clicks on the chosen greenhouse
    2. A pop-up opens where the *Administrator* can enter a *Gardener* for the specified greenhouse
- **Postcondition:** The greenhouse is now assigned to the *Gardener* of choice
- **Alternatives:**

    A)
    3. If the specified *Gardener* doesn't exist, an error message will be displayed, stating that the chosen *Gardener* doesn't exist
    4. Step 2
- **Classes Involved:** *Administrator*

Delete greenhouse

- **Description:** An *Administrator* deletes a greenhouse
- **Prerequisite:** An *Administrator* is already logged in, the manage greenhouses page is open and at least one greenhouse is present
- **Steps:**
    1. The *Administrator* clicks on the delete button of the chosen greenhouse
- **Postcondition:** The greenhouse is now deleted
- **Alternatives:**
- **Classes Involved:** *Administrator*

Create accesspoint

- **Description:** An *Administrator* creates an accesspoint
- **Prerequisite:** An *Administrator* is already logged in and the manage accesspoint page is open
- **Steps:**
    1. The *Administrator* clicks on the add accesspoint button
    2. A pop-up opens where the *Administrator* must enter a UID (and optionally a location), before clicking on save
- **Postcondition:** The accesspoint is now created
- **Alternatives:**

    A)
    3. If the UID entered is already in used by another accesspoint, an error message will be

displayed, stating that the entered UID is already taken
4. Step 2

B)
3. If the UID entered is not in the correct format, an error message will be displayed, stating that the entered UID is not in the correct format
4. Step 2

- – **Classes Involved:** *Administrator*

Edit accesspoint

- – **Description:** An *Administrator* edits an accesspoint
- – **Prerequisite:** An *Administrator* is already logged in, the <u>manage accesspoint page</u> is open and at least one accesspoint is present
- – **Steps:**
    1. The *Administrator* clicks on the edit accesspoint button next to desired accesspoint
    2. A pop-up opens where the *Administrator* can <mark>edit the accesspoint details before clicking on save</mark>
- – **Postcondition:** The new accesspoint details are now saved
- – **Alternatives:**
- – **Classes Involved:** *Administrator*

Delete accesspoint

- – **Description:** An *Administrator* deletes an accesspoint
- – **Prerequisite:** An *Administrator* is already logged in, the <u>manage accesspoint page</u> is open and at least one accesspoint is present
- – **Steps:**
    1. The *Administrator* clicks on the delete accesspoint button next to desired accesspoint
- – **Postcondition:** The accesspoint is now deleted
- – **Alternatives:**
- – **Classes Involved:** *Administrator*

<mark>Add User</mark>

- – **Description:** An *Administrator* adds a *User / Gardener / <mark>Administrator</mark>*
- – **Prerequisite:** An *Administrator* is already logged in and the <u>manage users page</u> is open
- – **Steps:**
    1. The *Administrator* clicks on the add user button
    2. A pop-up opens where the *Administrator* must enter an email, a <mark>username and a password (and optionally a first name, last name, if the *User* has *Gardener* role,etc.)</mark>, before clicking on save
- – **Postcondition:** The *User* is now registered and can log in into the account with the specified details
- – **Alternatives:**
    A)
    3. The email / username is already being used by another existing account
    4. An error message is diplayed, stating which field is already being taken
    5. Step 2

    B)
    3. The *Administrator* click on the register button without filling all the mandatory fields
    4. An error message is displayed, stating that all fields must be filled
    5. Step 2
- – **Classes Involved:** *Administrator*

Edit User

- – **Description:** An *Administrator* edits a *User / Gardener*

- **Prerequisite:** An *Administrator* is already logged in, the <u>manage users page</u> is open and at least one user (apart from the *Administrator* itself) is present
- **Steps:**
  1. The *Administrator* clicks on the edit user button, next to the desired *User*
  2. A pop-up opens where the *Administrator* can edit all the details about the specified *User*, before pressing save
- **Postcondition:** The new *User* details are now saved
- **Alternatives:**

  A)
  3. The email / username is already being used by another existing account
  4. An error message is diplayed, stating which field is already being taken
  5. Step 2

  B)
  3. The *Administrator* click on the register button without filling all mandatory the fields
  4. An error message is displayed, stating that all fields must be filled
  5. Step 2

  C)
  <mark>2. If the *Administrator* tries to edit an *Administrator*, an error message will be displayed, stating that *Administrators* cannot be edited</mark>
- **Classes Involved:** *Administrator*

Remove User
- **Description:** An *Administrator* removes a *User / Gardener*
- **Prerequisite:** An *Administrator* is already logged in, the <u>manage users page</u> is open and at least one user (apart from the *Administrator* itself) is present
- **Steps:**
  1. The *Administrator* clicks on the remove user button, next to the desired *User*
- **Postcondition:** The *User* is now removed
- **Alternatives:**

  A)
  2. If the *Administrator* tries to remove an *Administrator*, an error message will be displayed, stating that *Administrators* cannot be removed
- **Classes Involved:** *Administrator*