**USE CASE TEMPLATE**

* **Name** – Beekeeping application.
* **Brief Description** – This use case describes the process of recording and updating the state of a beehive in the beekeeping database application. The project manager can view and update the state of all beehives, add comments, and view financial information. The worker can only view and update the state of their assigned beehives and add photos and descriptions.
* **Actors** – Project Manager, Beehive Checkers, Beehive keeper.
* **Secondary Actors** – DB (data base).
* **Preconditions** –
  + The actors must be registered and logged in to the beekeeping database application.
  + The actors must have the necessary permissions to view and update the state of the beehives assigned to them.
* **Basic Flow** –
  + The actor selects the beehive they wish to update.
  + The actor selects the current state of the beehive from a pre-defined list of options (healthy, diseased, etc.).
  + The actor can add comments or notes about the beehive’s condition.
  + If the actor is a Beehive keeper, they can add photos of the beehive and a description.
  + The actor saves the state update to the beekeeping database application.
* **Alternate Flows** –
  + If the actor is a project manager, they can view and update the state of all beehives.
  + If the actor is a worker, they can only view and update the state of beehives assigned to them.
  + If the actor is a worker, they can add photos of the beehive and a description.
* **Exception Flows** – If the current state of the beehive is "diseased", the beekeeping database application may prompt the actor to provide additional details or take specific actions to address the disease.
* **Post Conditions** – After the state of the beehive is updated in the beekeeping database application, the system generates a notification to the project manager and/or beehive checkers in case of a critical situation, such as a diseased beehive or a queen less hive. The notification includes details about the state update, comments, photos (if added), and any other relevant information. The project manager and/or beehive checkers can then take appropriate actions based on the notification, such as inspecting the beehive in person or initiating treatment to address the problem.