**CASE STUDY**

**Pre-Condition(s):**

1. A mechanical system exists which alternates between power sources depending on intensity of power generation.
2. The Use Case begins when the greenhouse keeper opens the app.
3. The controller has pre-configured (default) settings.

**Base Path:**

1. A dashboard is displayed to the keeper showing the current operations including the current power source, lighting and the temperature in all or various sections of the greenhouse.
2. The keeper configures the heat channelled to all or parts of the greenhouse, depending on the plants being grown in the season.
3. The keeper configures the lighting, defining which bulbs should be on during particular periods of the day.

**Alternate Path:**

1. Sunlight intensity is insufficient.
2. Power supply from Electricity Company becomes too expensive or insufficient.

**Post-Condition(s):**

1. Plant growth and quality are maximized.
2. Production costs are minimized.