Components	User Needs Satisfied
Power System (Battery,Buck Converter, Boost Converter)	1. Should be able to run on batteries (explicit) 2. Device must have reliable Power System (Explicit) 3. Battery life should be long lasting (explicit)
User Interface (Wifi, Display, Buttons, Potentiometer)	1. Needs a function to set day and time (explicit) 2. Needs a manual adjuster to calibrate sensors (latent) 3. Device must give customer informed insights (Latent)
Actuator (Motor, Motor Controller, Air Funnel, Vent)	1. Have a wide temperature range for all climates (latent) 2. Actuator must be reliable in all weather conditions (latent)
Temperature Sensor	1. Sensors should be compact (explicit) 2. Readings are consistent. (explicit)
Relative Humidity & Temperature Sensor	1. Device must measure humidity (Explicit) 2. Device sensors must be accurate (Latent)
Microcontroller	1. Device must inform users of results (Latent) 2. The product must be low-power. (latent) 3. Device has multiple functionalities. (explicit)
Enclosure	1. Should be hand held (explicit) 2. Device is low weight, making it easy to carry. (explicit) 3. Device electronics should be protected from moisture as much as possible. (explicit)