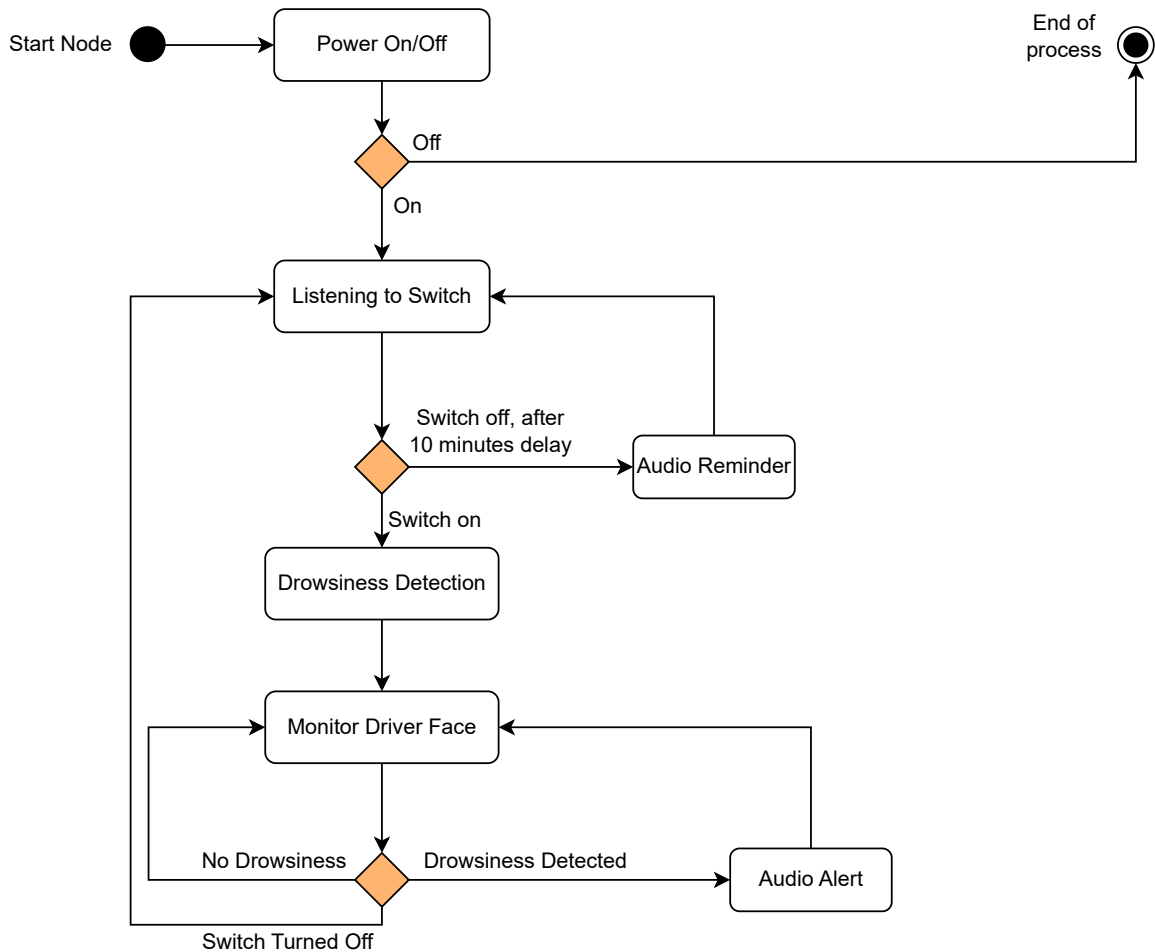


Activity Diagram



Activities Explanation

- **Power On/Off:** The driver decides whether to turn the system on or off.
 - **Off:** The process ends.
 - **On:** The system transitions to **Listening to Switch**.
- **Listening to Switch:** The system monitors the switch to check its status.
 - **Off:** Sends periodic Audio Reminders (every 10 minutes) to turn the switch on.
 - **On:** Activates **Drowsiness Detection**.
- **Audio Reminder:** The speaker plays the audio reminder and loops back to **Listening to Switch** again.
- **Drowsiness Detection:** This activates the monitoring system and transitions directly to **Monitor Driver Face**.
- **Monitor Driver Face:** The system observes the driver's face using the camera.
 - **If drowsiness is detected:** Send an **Audio Alert** to warn the driver.
 - **If drowsiness is not detected:** Loop back to **Monitor Driver Face** to continue monitoring.
 - **If the switch turned off:** Loop back to **Listening to Switch**.
- **Audio Alert:** The speaker outputs a warning sound to alert the driver then loops back to **Monitor Driver Face**.