| **Term** | Definition |
| --- | --- |
| **System** | The system is the Smart Energy Saver application |
| **User** | A user is a person who is using the application to optimize the electricity use in his/her household. |
| **OTP** | A one-time password (*OTP*) is commonly used for two-factor authentication for user verification purposes. OTP is a form of two-factor authentication (2FA). For this project, the format of OTP will be 4-digits. |
| **2FA** | Two-factor authentication (2FA) is a security feature that requires two forms of identification to verify the user before accessing the system. |
| **Side Menu** | Side menu is the set of links that can be accessed by clicking “☰” button on the left hand side |
| **Notification** | Notification in the app is an alert that update information about total power usage. |
| **Appliance** | An appliance is a household device that consumes electricity. |
| **Usage** | The usage of an appliance is the duration of use of it. |
| **Consumption data** | Consumption data of an appliance is data of usage of it including the name, average power, and duration. |
| **Appliance List** | Appliance list is the list of the appliance together with the consumption data. |
| **Bill** | Bill is the estimated amount of electrical money for the current month based on the current amount of electrical usage. |