Fontys

**“Blueprint”**

**Functionalities**

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**Functionalities**

1. **Entrance/Exit** 
   1. **Check “RFID”-string if matching with database.**
   2. **Check if customer going in or going out.**
   3. **Going in:**

**1.3.1 Check if the ticket is paid.**

**If paid, the customer may enter.**

**If not, the customer must pay before entering.**

**1.3.2 Change status of the visitor.**

**1.3.3 Customer can recharge his balance.**

**1.4 Going out:**

**1.4.1 Check if the customer has unpaid orders in the database.**

**1.4.2 Customer can recharge his balance.**

**1.4.3 Change status of visitor.**

**2. Snack bar**

**2.1. Automatically generate lists of products using the given database.**

**2.2. Display the meals and drinks on the screen.**

**2.3. Customer chooses products which are placed as an order in the database.**

**2.4. The order is automatically paid if the customer has enough money in his balance.**

**3. Material stand**

**3.1. Get list of all materials.**

**3.2 Display all the materials.**

**3.3 Customer can take material from the stand and an order is placed which is unpaid.**

**3.4. Customer can pay all unpaid orders on the stand.**

**4. Camping spot.**

**4.1 Check RFID if client in database , then checks if that client is host, else if he is a guest.**

**4.2 If he is a host we can assign other people which must also be present in the database.**

**4.3 Assign clients to a house.**

**4.4 Shows the map and the location of exact camping spot.**

**4.5 Shows how many people are assigned to a camping spot.**

**5. Statistics application**

**5.1 Displays a pie chart with total number of people in event.**

**5.2 Displays a pie chart with total number of people not in event**

**5.3 Displays a histogram which show total money balance and**

**money spend by the clients and the time interval.**

**5.4 Assign RFID to new clients.**