

# Feature List

1.

## **Description**

Hotel Wizard will utilize various types of graphs to visualize different types of data. This will include pi charts, line graphs, bar graphs, and more. These will be based on data such as popularity, size of groups, market segment, origin of customer and more.

### Visual Graphs

```
graph TD; VG[Visual Graphs] --> D[Description]; VG --> C[Constraints]; VG --> Co[Comments];
```

## **Constraints**

These graphs will be static and based on a single dataset.

## **Comments**

In the future when more data is available, more visual graphs will be implemented.

2.

## **Description**

Hotel Wizard users can see tailored recommendations for their hotel's budget based on their hotel's size and price for customers. This allows users to view a more personalized analysis compared to the general visual graphs. The calculator will display a budget by month for the whole year and will be split into categories such as maintenance, labor, and supplies.

### Budget Calculator

```
graph TD; BC[Budget Calculator] --> D[Description]; BC --> C[Constraints]; BC --> Co[Comments];
```

## **Constraints**

The calculator will be based off of given inputs from the user. These inputs will include number of rooms, price per night, and other inputs.

## **Comments**

Actual implementation of the calculator is yet to be designed. Once our data is fully mined and analyzed, the calculator will be developed. Inputs may change.