**Functional Design**

**Version 1.0**

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# **1. Preface**

**1.1 Introduction**

You are working for the application and media development department of an IT company. This company is hired to develop a reservation website for **Hotel California**. The website will replace the full paper administration of the reservation desk.

**1.2 Hotel California**

The company is **Hotel California**. They are a Dutch hotel company that wants to improve their quality and make their customers leave with a big smile. Since they are still using full paper administration for reservations, they wanted to make it faster and easier for both customers and the hotel itself. The hotel keeper has been in the hotel business for 20 years and seen many hotels switch over to an automatic reserving method which has been a success most times.

**1.3 Lorem**

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# **2. Functionalities**

**2.1 MUST**

There are a couple of requirements that **MUST** function correctly if the reservation website should preform to their expectations, they are as followed:

1. The hotelkeeper **must** be able to see a room plan with the location of the rooms.
2. The hotelkeeper **must** be able to add the category of rooms available in the system.
3. The hotelkeeper **must** be able to print a list of rooms and the category they belong to.
4. In the room plan, the hotelkeeper **must** be able to assign the category that the room belongs to.
5. The reservation desk **must** be able to assign a room price for one of the 3 categories of rooms for a certain day of the year. The pricing system **must** be filled in, at least 3 months in advance.
6. The reservation desk **must** be able to retrieve a list of room prices per day. They also **must** be able to print this list.
7. Web visitors **must** be able to see the available categories of rooms and prices for those categories from a certain start-to an end date.
8. The web visitor **must** be able to make a reservation.
9. The hotelkeeper **must** be able to see and print a list of occupied and reserved rooms within a certain period.
10. The front desk **must** be able to print a list of room prices for a week.
11. The front desk **must** be able to see all unoccupied and the amount of not reserved (vacant) rooms on a certain day per category.
12. The front desk **must** be able to register a guest as an occupant of a room.
13. The front desk **must** be able to see if the room is prepaid or post-paid.
14. In the case of a post-paid rooms, the front desk **must** be able to print an invoice for the room rent (free) that is due.

**2.2 SHOULD**

Besides having requirements that are a must there are also requirements that **SHOULD** function correctly, this can be for the user experience or something else, they are as followed:

1. The reservation website **should** have a login system. This will be for both customers and administrators.
2. The reservation website **should** have a
3. Lorem

**2.3 COULD**

Here is a list of functionalities that **COULD** be a part of the reservation website, they are as followed:

1. There **could** be an invoicing system for the minibar usage during a stay.
2. There **could** be a ticket system for room service (chef and waiter).
3. There **could** be a room service tickets that connect to the invoicing system.
4. There **could** be a cleaning alert on the floor map at checkout.
5. There **could** be a cleaning roster with the most efficient route.

**2.4 WON’T**

An excelent functioning reservation website there should be a couple of functionalities that **WON’T** be apart of the reservation website, they are as followed:

1. Lorem
2. Lorem
3. Lorem
4. Lorem
5. Lorem

# **3. Sitemap**

**3.1 Lorem**

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# **4. Navigation Structure**

**4.1 Lorem**

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# **5. Lorem**

**5.1 Lorem**

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# **6. Lorem**

**6.1 Lorem**

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**Functional Design created by Jun Yi Xie.**

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