

- KMITL RESIDENCE



1 REQUIREMENTS

● FUNCTIONAL REQUIREMENTS

- 1. จองห้องพักผ่านทางเว็บไซต์ได้
2. ยืนยันการจองผ่านทางอีเมล
3. เลือกประเภทของห้องพัก
4. ตรวจสอบห้องพักที่ว่างอยู่
5. คำนวณค่าใช้จ่ายในการจองห้องพัก
6. บันทึกรายละเอียดของผู้พัก
7. ส่ง Email แจ้งรายละเอียดการจองแก่ผู้ใช้งานเมื่อมีการจองห้องพักสำเร็จ

● NON-FUNCTIONAL REQUIREMENTS

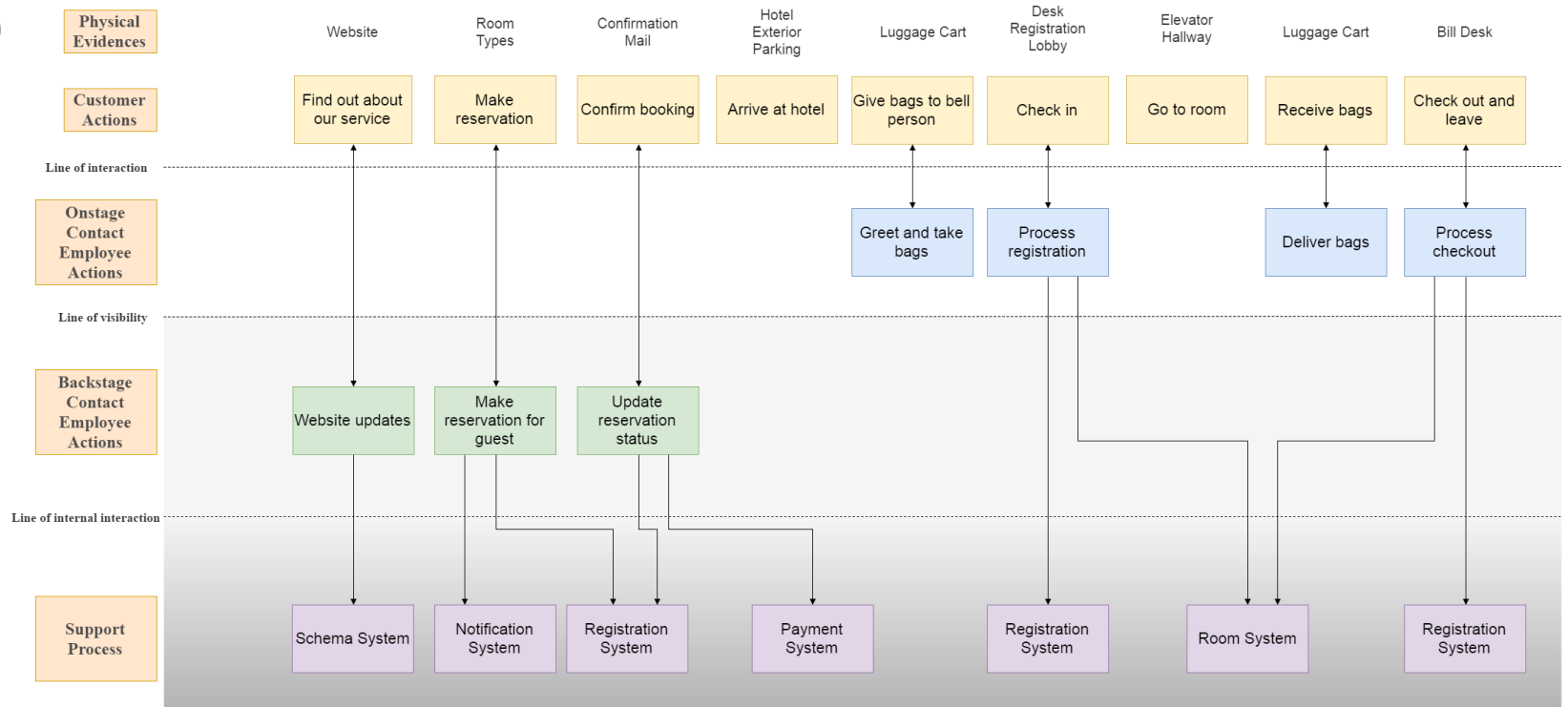
- 1. รองรับผู้ใช้งานหลายคนพร้อมกัน
- 2. Email แจ้งเตือนต้องส่งถึงผู้ใช้ภายใน 5 นาทีหลังจากการจองสำเร็จ



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SERVICE DESIGN BLUEPRINT

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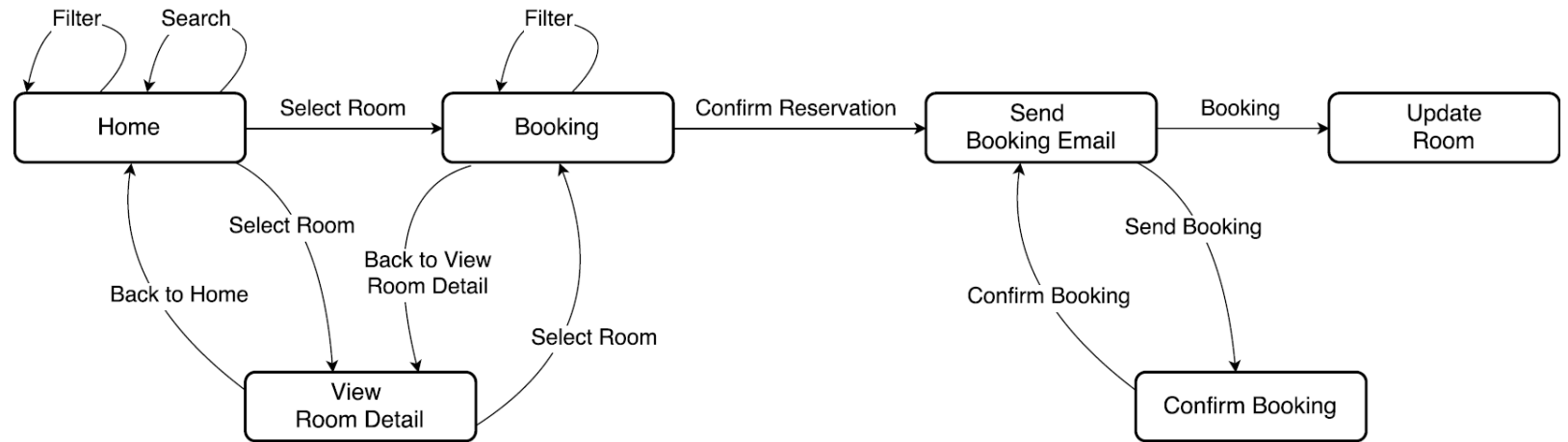




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STATE TRANSITIONS

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4

IDENTIFY RESOURCES



IDENTIFY RESOURCES

/rooms

*find available rooms with conditions that are defined in GET parameters
and update status of rooms*

| Resources | HTTP method | Description |
|--|-------------|-------------------------|
| /rooms/ :dateIn/:nights/:children/:adults | GET | List of available rooms |
| /rooms/checkin/ | PUT | Check-in |
| /rooms/checkout/ | DELETE | Check-out |

/reservation

manage reservation

| Resources | HTTP method | Description |
|-------------------------------------|-------------|------------------------------------|
| /reservation/ | POST | Save an information of reservation |
| /reservation/ :reservationId | PUT | Confirm the reservation |
| /reservation/ :reservationId | DELETE | Cancel the reservation |



IDENTIFY RESOURCES (CONT'D)

/email

email service

| Resources | HTTP method | Description |
|----------------|-------------|----------------------------------|
| /email/ | POST | Send an email with an informaion |



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DESIGN MEDIA TYPES

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/rooms/:dateIn/:nights/:children/:adults

```
[
  {
    "id": 101,
    "name": "name of room",
    "details": "details of this room",
    "price": 10000,
    "persons": 2,
    "img": "image file path"
  },
  {
    "id": 102,
    "name": "name of room",
    "details": "details of this room",
    "price": 10000,
    "persons": 2,
    "img": "image file path"
  }
]
```

/rooms/checkin

```
{
  "id": 101
}
```

DESIGN MEDIA TYPES

/rooms/checkout

```
{  
  "id": 101  
}
```

/reservation

```
{  
  "name_title": "Mr.",  
  "name": "Aww Wee",  
  "check-in": "10-1-2017",  
  "nights": 2,  
  "children": 0,  
  "adults": 1,  
  "room_id": 101,  
  "credit_id": "1029384638371",  
  "expired_date": "20-10-2020",  
  "cvv": "123"  
  "email": "example@example.com",  
  "tel": "0293847463",  
  "country": "Thailand",  
  "nation": "Thai"  
  "payment_type": "credit|counter"
```



DESIGN MEDIA TYPES

/reservation PUT or DELETE status of reservation

```
{  
  "reservation_id": 1001  
}
```

/email

```
{  
  "title": "title of email",  
  "details": "details of this email."  
  "email": "example@example.com"  
}
```