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| **Use Case** | Registers in the application | |
| **Scenario** | User registers in the application | |
| **Triggering Event** | User Registration | |
| **Brief Description** | User registers as either a dermatologist or a patient | |
| **Actor** | User | |
| **Related Use Cases** | User Logs-In | |
| **Stakeholder** | User | |
| **Pre-Condition** | n/a | |
| **Post-Condition** | Newly registered user | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. User inputs basic data | 1.1. System will record basic data such as Name, (Clinic) Address, Telephone Number, Cellphone Number, Email Address, Birthdate, Gender, etc. |
|  | 2. User inputs username | 2.1. System will authenticate username uniqueness |
|  | 3. User inputs password | 3.1. System will evaluate password strength |
|  | 4. Email authentication | 4.1. System will send an email authentication using the email in basic data input |
|  | 5. Succesful Registration | 5.1. System will move the newly registered users information to the main database |
| **Exception Conditions** |  | |

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| **Use Case** | Search for dermatologist | |
| **Scenario** | The patient will look for nearby derma | |
| **Triggering Event** | Patient needs to see a doctor | |
| **Brief Description** | The patient will look for a derma that is near his location and check the availability of the dermatologist | |
| **Actor** | User | |
| **Related Use Cases** |  | |
| **Stakeholder** | User | |
| **Pre-Condition** | Register in the application | |
| **Post-Condition** | Choose a dermatologist | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. Ask the patient to turn on his GPS to track his location | 1.1. system will check database for nearby dermatologists |
|  |  | 1.2. system will list all nearby dermatologists |
|  | 1. User will review the information about the dermatologists that are available in the location | 2.1 System will let the patient choose among the dermatologist in the location. |
| **Exception Conditions** |  | |

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| **Use Case** | Set appointment | |
| **Scenario** | The patient will set an appointment to the dermatologist | |
| **Triggering Event** | Patient needs to set an appointment to the doctor | |
| **Brief Description** | The patient will check the availability of the doctor he or she chose and set an appointment. | |
| **Actor** | User | |
| **Related Use Cases** |  | |
| **Stakeholder** | User | |
| **Pre-Condition** | Check doctor near the patient’s location | |
| **Post-Condition** | Appointment with the doctor | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. User will check the availability of the doctor he or she chose | 1.1. System will check database for the time schedule of the doctor |
|  |  | 1.2 System will list the time availability of the doctor |
|  | 1. User will choose the date and time then confirm his appointment | 2.1 If Confirm, system will set the appointment and send it to the doctor |
| **Exception Conditions** |  | |

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| **Use Case** | Alter appointment | |
| **Scenario** | The patient will edit his appointment | |
| **Triggering Event** | Patient changes his mind about his appointment | |
| **Brief Description** | The patient will edit or delete his appointment to the doctor | |
| **Actor** | User | |
| **Related Use Cases** |  | |
| **Stakeholder** | User and Doctor | |
| **Pre-Condition** | Set appointment | |
| **Post-Condition** | Changed or deleted appointment | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. User can choose if Update or Delete his appointment | 1.1. If Delete, system will delete his appointment in the database and make that time available again. |
|  |  | 1.2. If Update, system will list the other time availability of the doctor. |
| **Exception Conditions** |  | |

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| **Use Case** | Acquire appointment details | |
| **Scenario** | The patient will review his appointment details | |
| **Triggering Event** | Patient review his appointment details | |
| **Brief Description** | The patient will review his appointment details and details of his chosen doctor | |
| **Actor** | User | |
| **Related Use Cases** |  | |
| **Stakeholder** | User | |
| **Pre-Condition** | Set appointment | |
| **Post-Condition** |  | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. User will review his appointment details including the date and time, doctor, and location | 1.1. System will show the summary of the patient’s appointment |
| **Exception Conditions** |  | |

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| **Use Case** | Quantify sweat | |
| **Scenario** | The dermatologist will quantify sweat of patient | |
| **Triggering Event** |  | |
| **Brief Description** | The dermatologist will quantify the sweat using the sudomotor in order to gain data | |
| **Actor** | Dermatologist | |
| **Related Use Cases** |  | |
| **Stakeholder** | Dermatologist | |
| **Pre-Condition** | Appointment | |
| **Post-Condition** |  | |
| **Flow of Activities** | **Actor** | **System** |
|  | 1. Dermatologist will quantify sweat of patient | 1.1. System will quantify sweat |
| **Exception Conditions** |  | |