**UC1: Browse Testing site near the users' location and book through phone.**

**Actors:** Patient (primary), Testing facility staff (secondary)

**Purpose:** Choose from a selection of testing locations and make a booking by phone

**Description:** A Patient wishes to register and book for a test. The System checks their location and provides a selection of nearby testing centres for them to browse. The Patient selects a testing centre, and the system provides the phone number for that testing centre. The Patient calls the phone number, and a member of the Testing facility staff takes the details of the Patient, and the Patient receives a PIN via text message.

**Type:** Primary Use Case

**Pre-conditions:** The System has access to the Patient’s location, and map data.

**Post-conditions:** The Patient has a registration PIN and the system has recorded their booking at the desired testing location.

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| **FLOW OF EVENTS** | |
| **Actor Actions** | **System Response** |
| 1. This use case begins when the Patient requests to browse testing locations |  |
|  | 1. The System obtains the Patient’s location and displays nearby Testing Locations in either a pictorial or a tabular form |
| 1. The Patient selects a Testing Location they would like to book at |  |
|  | 1. The System displays relevant information about the selected Testing Location, such as a contact phone number and street address. |
| 1. The Patient calls the phone number of the Testing Facility |  |
| 1. A Testing Facility Staff member answers the phone and takes the Patient’s contact and booking details. |  |
| 1. The Testing Facility Staff creates a booking for the patient |  |
|  | 1. The System stores the Patient’s booking and sends a confirmation PIN to their phone number |
| **ALTERNATE FLOWS** | |
| 2a. The user provides a suburb, and the system displays nearby Testing Locations to that suburb.  <<Include>> UC2: Search Testing Locations by Suburb | |
| 2b. The user provides a post code, and the system displays nearby Testing Locations to that post code. <<Include>> UC3: Search Testing Locations by Suburb | |
| 2c. The user provides coordinates, and the system displays nearby Testing Locations to those coordinates. <<Include>> UC4: Search Testing Locations by Suburb | |
| **EXCEPTION FLOWS** | |
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**UC2: Search Testing Locations by Suburb.**

**Actors:** Patient (primary)

**Purpose:** Browse Testing Locations in or near a particular suburb.

**Description:** A Patient wishes to find nearby testing locations. They provide a suburb, and the system displays all testing facilities in or around that suburb, in either a pictorial or a tabular form.

**Type:** Include use case

**Pre-conditions:** The system has access to map data

**Post-conditions:** The System is displaying Testing Locations near the desired suburb.

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| **FLOW OF EVENTS** | |
| **Actor Actions** | **System Response** |
| 1. This use case begins when the Patient provides a suburb to the system |  |
|  | 1. The System queries a database or API for the suburb, and receives the Testing Locations near that suburb. |
|  | 1. The System displays the Testing Locations to the Patient in a pictorial or tabular form |
| 1. The Patient browses the Testing Facilities available |  |
| **ALTERNATE FLOWS** | |
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| **EXCEPTION FLOWS** | |
| 2a. The API or Database cannot find the suburb provided by the Patient: | |
| 1. System informs user the suburb was not found | |
| 1. System asks the Patient to check their spelling. Repeat steps 1 to 4. | |
| 2b. Alternatively, the System suggests that the Patient try searching for Testing Locations by another method. | |

**UC3: Search Testing Locations by Post Code.**

**Actors:** Patient (primary)

**Purpose:** Browse Testing Locations in or near a particular post code.

**Description:** A Patient wishes to find nearby testing locations. They provide a post code, and the system displays all testing facilities in or around that post code, in either a pictorial or a tabular form.

**Type:** Include use case

**Pre-conditions:** The system has access to map data

**Post-conditions:** The System is displaying Testing Locations near the desired post code.

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| **FLOW OF EVENTS** | |
| **Actor Actions** | **System Response** |
| 1. This use case begins when the Patient provides a post code to the system |  |
|  | 1. The System queries a database or API for the post code, and receives the Testing Locations near that post code. |
|  | 1. The System displays the Testing Locations to the Patient in a pictorial or tabular form |
| 1. The Patient browses the Testing Facilities available |  |
| **ALTERNATE FLOWS** | |
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| **EXCEPTION FLOWS** | |
| 2a. The API or Database cannot find the post code provided by the Patient: | |
| 1. System informs user the post code was not found | |
| 1. System asks the Patient to check the post code and try again. Repeat steps 1 to 4. | |
| 2b. Alternatively, the System suggests that the Patient try searching for Testing Locations by another method. | |

**UC4: Search Testing Locations by Coordinates.**

**Actors:** Patient (primary)

**Purpose:** Browse Testing Locations in or near given GPS coordinates

**Description:** A Patient wishes to find nearby testing locations. They provide a longitude and latitude, and the system displays all testing facilities in or around those coordinates, in either a pictorial or a tabular form.

**Type:** Include use case

**Pre-conditions:** The system has access to map data

**Post-conditions:** The System is displaying Testing Locations near the desired coordinates.

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| **FLOW OF EVENTS** | |
| **Actor Actions** | **System Response** |
| 1. This use case begins when the Patient provides GPS coordinates to the system |  |
|  | 1. The System queries a database or API for the coordinates, and receives the Testing Locations near that position. |
|  | 1. The System displays the Testing Locations to the Patient in a pictorial or tabular form |
| 1. The Patient browses the Testing Facilities available |  |
| **ALTERNATE FLOWS** | |
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| **EXCEPTION FLOWS** | |
| 2a. The patient provided invalid coordinates. | |
| 1. System informs user the coordinates were invalid | |
| 1. System asks the Patient to enter different coordinates. Repeat steps 1 to 4. | |
| 2b. Alternatively, the System suggests that the Patient try searching for Testing Locations by another method. | |