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**USER MANUAL**

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| **Created By** | Ashray Shetty |
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| **Updated/Reviewed By** | M B Ashok Kumar |
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# INTRODUCTION

PHmHEALTH is using Near Field Communication (NFC) to improve efficiency, aid accountability, and reduce fraud in the home health care sector.

With PHmHEALTH’s proprietary platform, home health providers can "check in" to patient visits and access essential patient information using an NFC-enabled smartphone. Data gathered through the PHmHEALTH platform provides a real-time, auditable trail of visit activity, helping home health agencies create efficiencies, reducing payers’ risk of improper billing or fraud, and enabling families to know more about their loved ones' care.

This document describes the various user screens delivered to PHmHEALTH.

# 2.0 LOGIN

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| The first screen of the “PHmHEALTH” application is the login screen. The user i.e. the HCP has to provide his/her valid Username and password, in order to login successfully. The below figure (Fig 1) represents the login screen.  1Login  Fig 1: Login Page  **VALIDATIONS**:   1. If the user clicks on the login button without providing username or password, a message will be displayed “Username and Password cannot be empty.” (Fig: 1.1) 2. If the user provides a password which has less than 4 characters, a message will be displayed saying, “Password should contain at least 4 characters”. (Fig: 1.2) 3. If the user provides an invalid combination of username and password, a message will be displayed saying, “User Not authenticated”. (Fig: 1.3)  |  |  | | --- | --- | | 1    Fig 1.1: Empty Check | 1  Fig 1.2: Password Validation | | 1 | | | Fig 1.3: Invalid Combination | |  3.0 APPOINTMENTS SCHEDULE The second screen in the application is the patient panel. After successful login HCP will be able to navigate to the patient panel, where he/she can view,   1. Current Date and the HCP name at the top left and top right corner of the screen respectively. 2. List of appointments for the day. The list will be displayed with 3. Patient name and address. 4. Time of appointment. 5. Tag-in button for each patient.   Fig 2 shows the Tablet portrait view of the patient panel.   |  | | --- | | 3PatientPanel |     Fig 2: Patient Panel 4.0 PATIENT DETAIL The HCP can quickly view all the patient details by navigating to the patient details page. To navigate to patient details page, the HCP has to tap on the patient name field in the list.  The patient detail page consists of the following information.   1. Patient full name. 2. Phone number. 3. Address. 4. Appointment time. 5. Two buttons “More Info” and “View Map”.   The More Info button 🡪 “ More “ The View Map Button 🡪” viewMap “  On clicking More Info button a pop-up will appear with additional patient details like, Gender, BirthDate, Marital Status and Telecom. (Fig 3.1)  On clicking View Map button a pop-up will appear displaying the location of the patient on map. (Fig 3.2)   |  |  | | --- | --- | | 5patientdetailpanelMore  Fig : 3.1 | 6patientdetailpanelMap  Fig : 3.2 |  5.0 TAG-IN The HCP can perform a patient tag-in from “APPOINTMENT SCHEDULE PAGE” or “PATIENT DETAIL PAGE.”  On clicking the tag-in button, an image will appear with a message “Awaiting NFC Tag in (Patient)”.  At this point the NFC card that containing the Id of the patient need to be swiped to start the encounter.  There are different validations performed during this process.   1. If the card with different patient-id (With patient id that is not present in the result set returned from the server?) is swiped, the following message will be displayed “Un-Authorized Patient”. 2. If a card which is not NDEF formatted is swiped, the following message will be displayed “This card is not NDEF formatted”. 3. If a card which has no data on it is swiped, the following message will be displayed “No patient id found”.   Following are the images which represents the above checks.   |  |  | | --- | --- | | 8Unauthorizedpatient  Fig : 4.1 | 9nonformattedcard  Fig : 4.2 |  6.0 PATIENT DEMOGRAPHICS Once the patient tag-in is successful, the HCP will be navigated to the demographics page.  This page displays the following information:   1. Visit Date and the HCP’s first name will be displayed at the top left and top right corners of the Screen respectively. 2. Timer will be displayed, which will immediately start when the HCP arrives at this page. 3. Patient demographics will be displayed below the timer. This will show patients name, phone, address, birth date, gender and marital status.(Fig: 5.1) 4. An end encounter button will be displayed when the HCP swipes the page to left.(Fig: 5.2)   Fig: 5 is the tablet view of the “PATIENT DEMOGRAPHICS” page.   |  |  | | --- | --- | | 10maintabpanel  Fig:5.1 | 11maintabpanelendencounter  Fig:5.2 |   On click of the end encounter button, an image will appear with a message “Awaiting NFC Tag out (Patient)”.(Fig: 5.3)  At this point the same NFC card (previously used for tag-in) needs to be swiped for tag-out  All the validations that were applicable for tag-in are applicable for tag-out as well, except when the invalid patient card is swiped, a message will be displayed saying, “Please tag-out with the card used for tag-in”. (Fig 5.4)  On successful tag-out the HCP will be taken back to the Log In screen i.e. the first screen of the application.   |  |  | | --- | --- | | 12endencounter  Fig:5.3 | 13wrongtagout  Fig:5.4 |     \*\*\* |