Ehrgo Health Web App Tutorial

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1. Description  
   The Ehrgo Health web app is created to facilitate verification of treatment plan safety for both patients and health care providers. Patients can use this app to check a new drug against existing treatment plans and update medication and allergy information. They can also import personal food and health data from other apps (such as fitbit). For providers, the app can be used to check treatment plan against patient data and update patient medications.
2. Run the App at your local machine
   1. Download and install Visual Studio Community 2015 at <https://www.visualstudio.com/en-us/products/visual-studio-community-vs.aspx>
   2. Download and install Sql Data Tools for Visual Studio 2015 at <https://msdn.microsoft.com/en-US/mt186501>
   3. Double click EhrgoHealth.sln file in project folder to open the solution.
   4. In solution explorer, right click EhrgoHealth.Web project, click “Set as Startup Project”.
   5. Press Ctrl + F5 to run, the app will open in the browser you choose.
3. Register/Login
   1. To use this app, the user needs create an account if they do not already have one.
   2. On the home page, click **Register** in the upper-right corner to go to the registration page.
   3. Fill out the required fields and click **Register** button. Please note: Passwords must be at least 6 characters long, must have at least one non-letter or digit character (such as #, @, etc.), and must have at least one uppercase letter ('A'-'Z').
   4. After registration succeeds, you will automatically log in.
   5. For users that have already registered simply click **Log in** on the top right of the home page.
4. Patient Portal  
   On the home page, patients can access the Patient Portal by clicking the corresponding link. There are five features in the Patient Portal: Check Medication, View History, Import Fitbit Data, Add Allergy and Allergy History.
   1. Check Medication
      1. To check any medication, just click **Update and Verify Medication** button.
      2. Input a medication, then click **Check Medicine** button.
      3. If there is no record found in FHIR, the user can add this medication by clicking **Add Medicine to Patient List** button.
      4. Click **Go To Current Medication List** to view all the medications for the patient.
      5. Click **Go Back To Patient Home** to return to Patient Portal.
   2. View History
      1. Click **View Current Medication List** to see all the medications the patient is currently taking.
   3. Import Fitbit Data
      1. Under Import Fitbit Data section, click **Go to import page** button, which will lead user to fitbit data page.
      2. User can view fitbit data imported previously or they can import data by clicking **Trigger Data import** button, which leads to an external login page for fitbit.
      3. Login to fitbit using your fitbit account and click **Allow** button to allow Ehrgo Health to retrieve your data.
      4. Once the external link is established users do not need go through those steps. They can just click the **Trigger Data** import button to get data from fitbit.
   4. Add Allergy
      1. To add medication that you are allergic to, click **Add Medication Allergy** button.
      2. Input the medication and click **Add Allergy** button.
      3. This will show the list of medications the patient is allergic to.
   5. Allergy History
      1. To view all medications the patient is allergic to, click **View Current Allergy List** button.
      2. The page will show all the medication allergies for the patient.
5. Provider Portal  
   On the home page, providers can access the Providers Portal by clicking the corresponding link. There are two features in the Providers Portal: Update/Check Plan and EHR.
   1. Update/Check Plan  
      This feature enables providers to check new treatment plan against patient data.
      1. To check a medication against a patient’s data, click **Check Medication** button.
      2. Input the patient FHIR ID (to find the ID, please review section 4.2. EHR), the medication name and click **Check Medicine**.
      3. If the patient is allergic to this medication, the page will show a warning sign.
      4. If the patient is not allergic to this medication, you can add this medication to patient list by clicking **Add Medicine to Patient List** button.
      5. If you want to check another medication, click the **Go back to Check Medicine Allergies** button to return to previous page.
   2. EHR  
      This feature allows providers to search for a patient by using FHIR ID or user name, and view the patient’s medication list.
      1. To search patient by user name, input the Email address the user used to create the account and click the search icon on right side. It will show the patient’s user ID, email and FHIR ID.
      2. To search patient by FHIR ID, input the patient FHIR ID and click the search icon on the right side. It will show the patient’s user ID, Email and FHIR ID.
      3. To view a current medication list for the patient, click the **Details** link to the right of the patient FHIR ID and it will show the patient medication list.