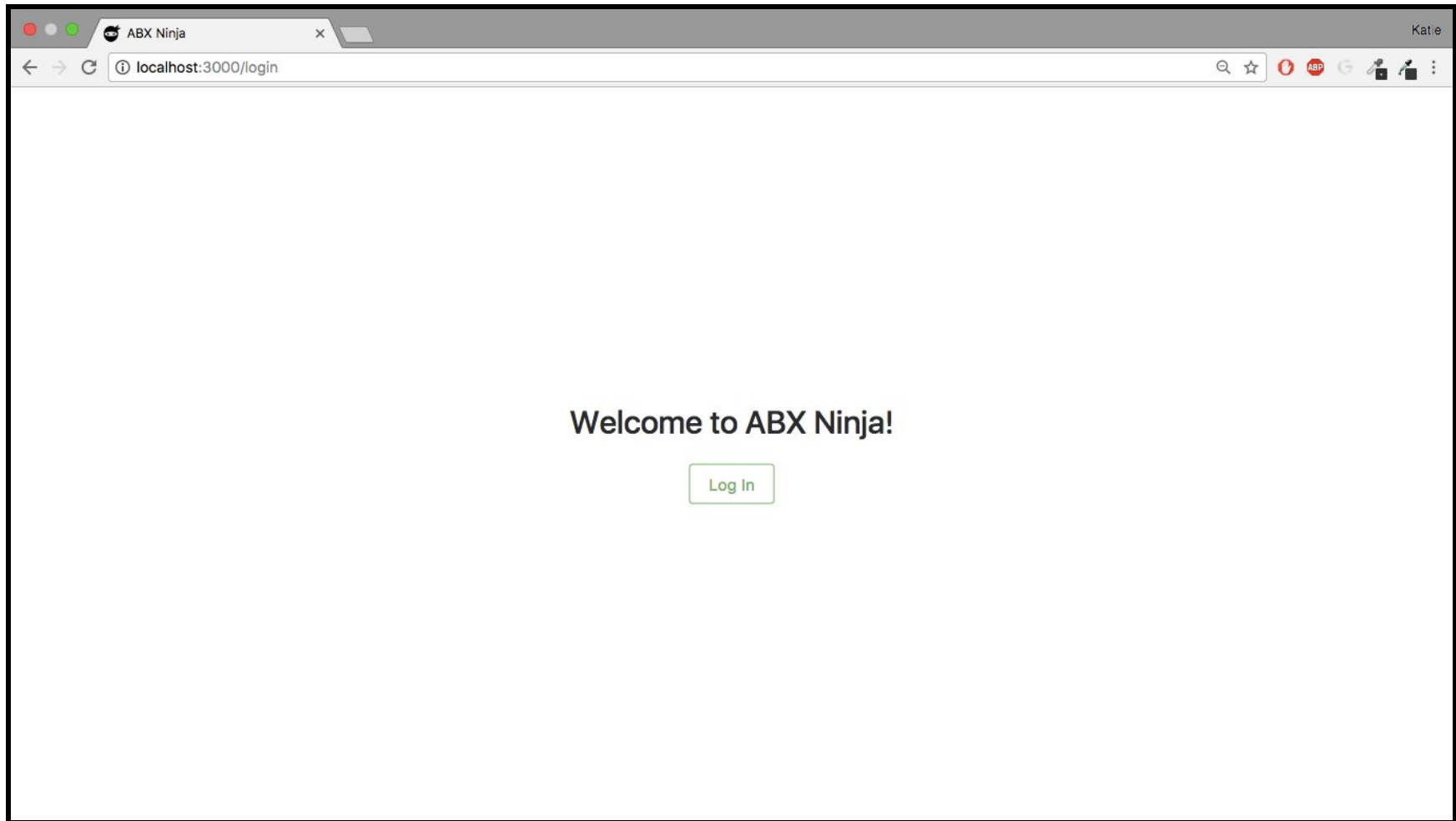
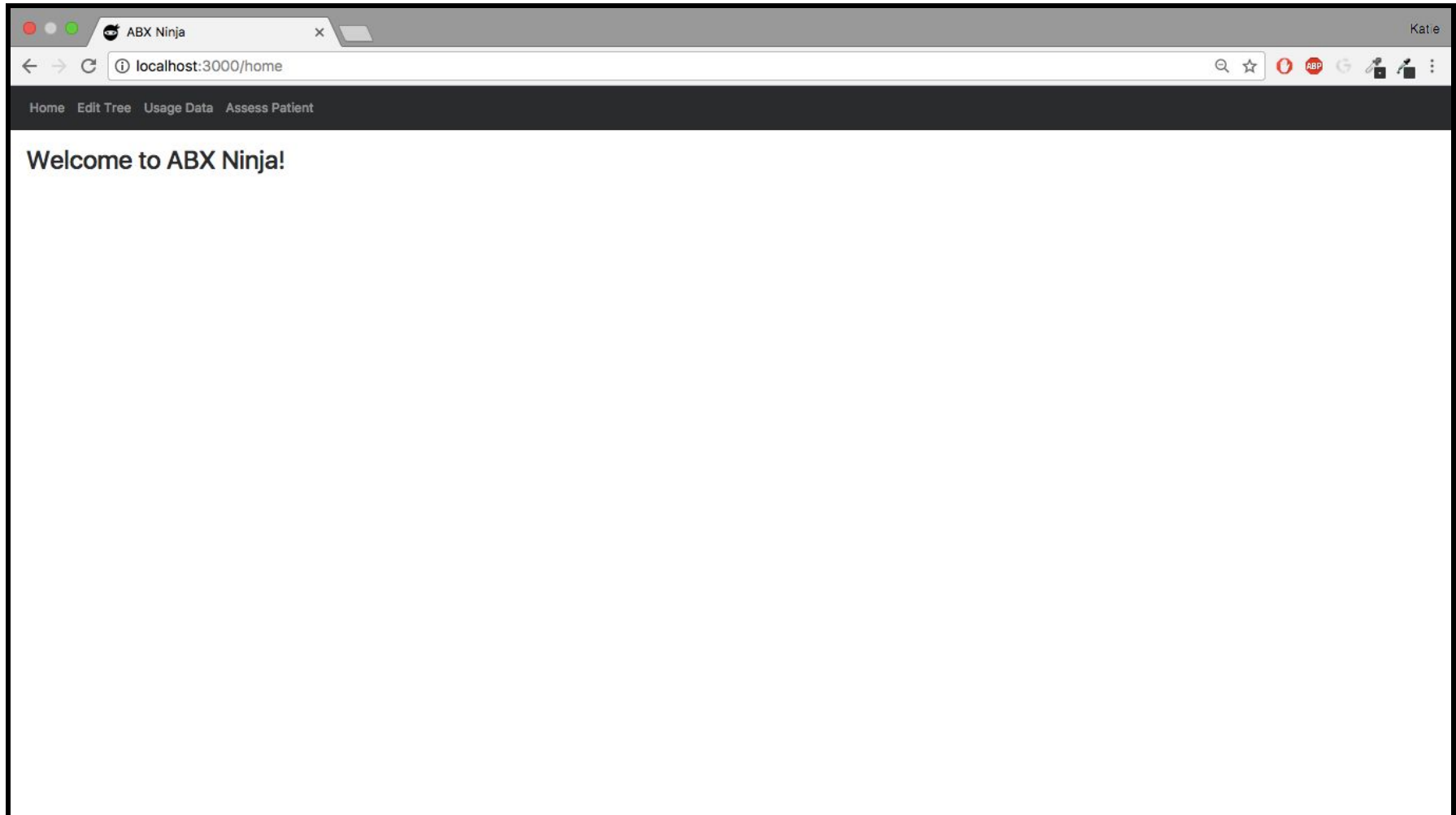


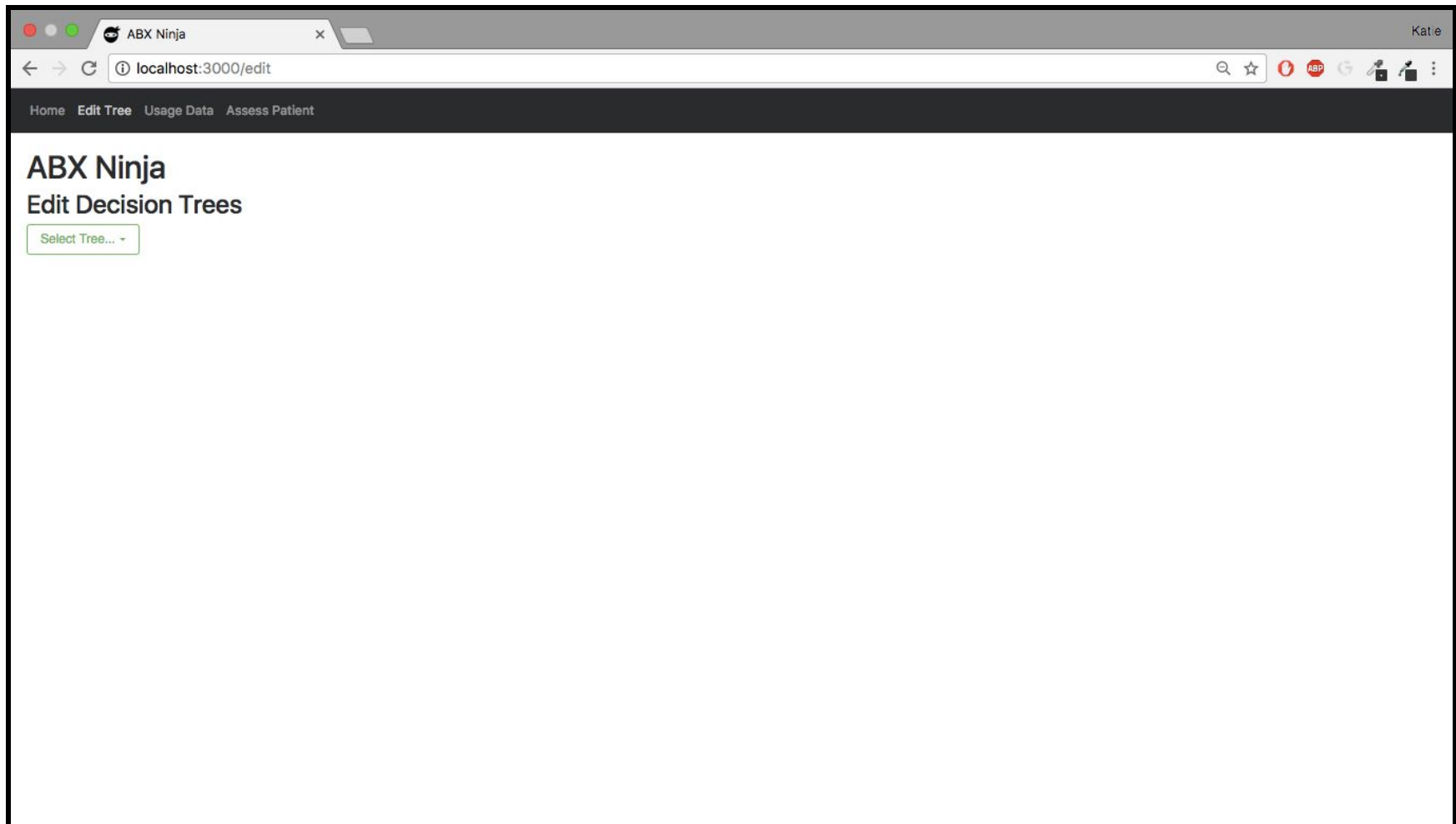
ABX Ninja
Front-end Design Document



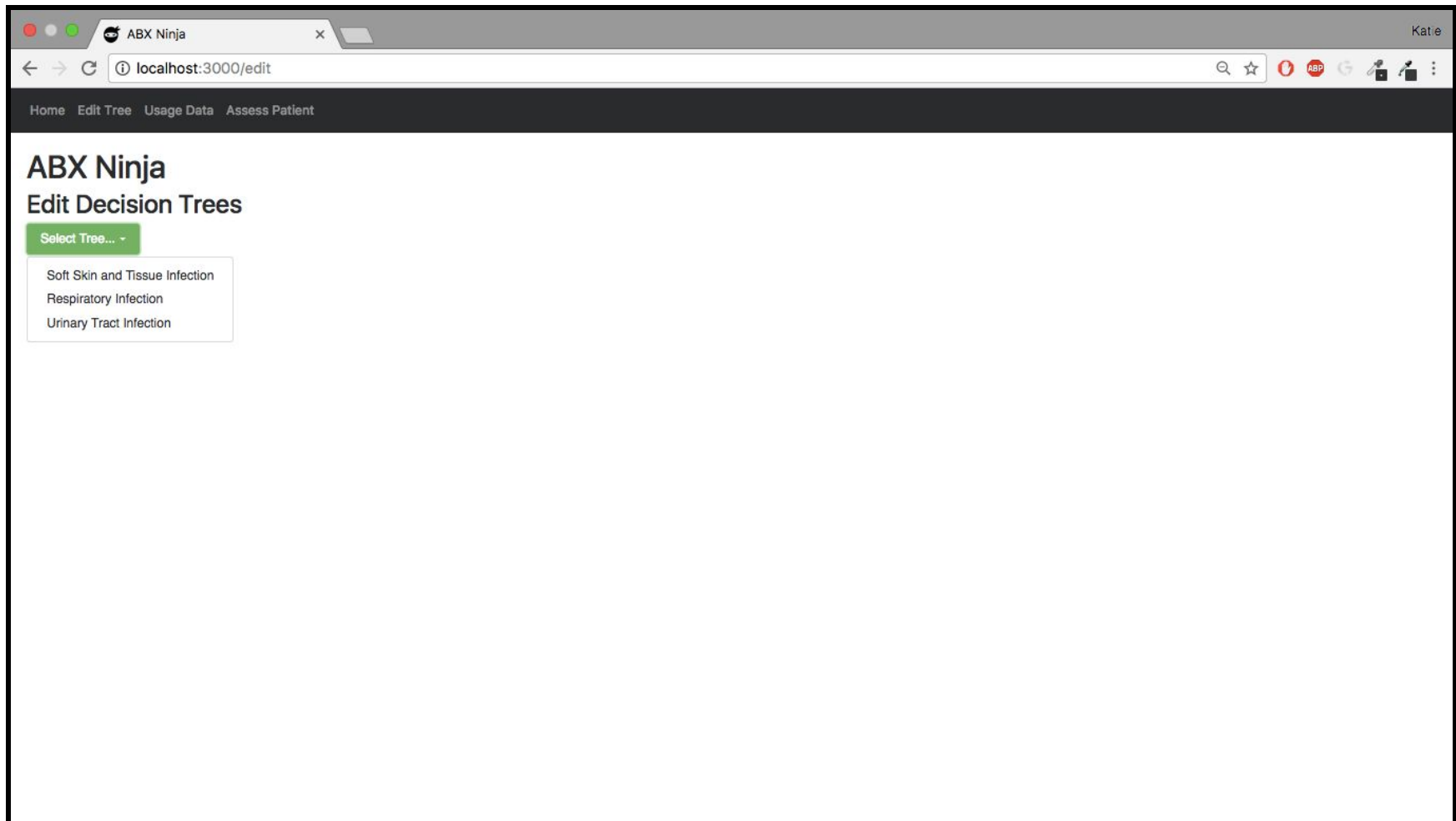
Login Screen: Click login will redirect to JHED authentication, after successful authentication user will be redirected to the home screen on the next page



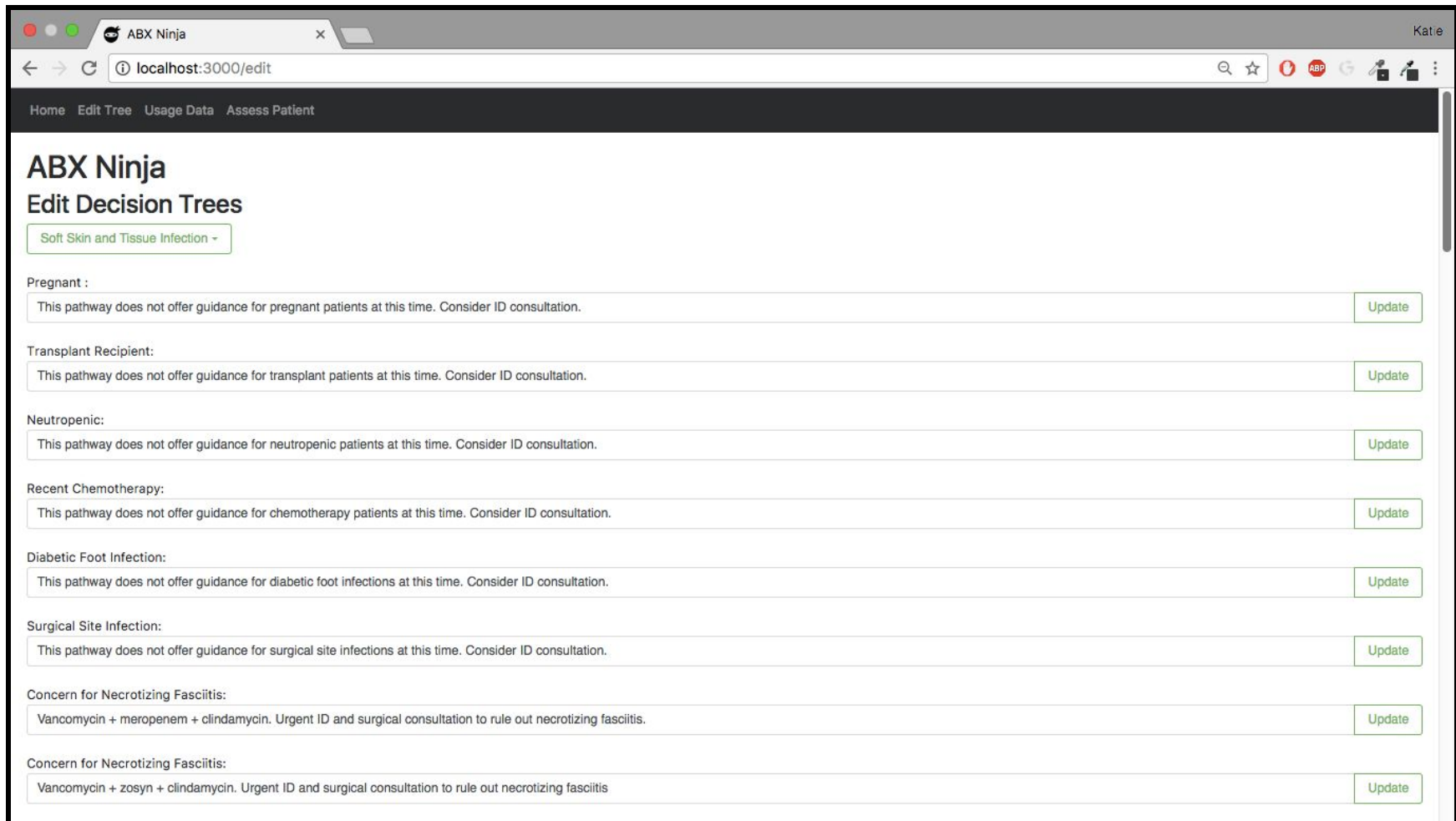
Home Screen: Will contain some information about the site/any disclaimers provided by Jenny



Edit Tree Screen: Functionality to edit trees. User can select tree from dropdown as seen in the next screen, and then will get a list of the assessments with their recommendations which are editable.



Edit Tree Screen: View showing the drop down menu



Edit Tree Screen: Shows the assessments for the selected tree with their associated recommendations. These recommendations are editable and changes get pushed to the database when update is clicked.

Home Edit Tree Usage Data Assess Patient

ABX Ninja Usage

All users - All infections - Agreed/Disagreed - Used/Unused -

Start Date [calendar] End Date [calendar] Reset Filters

Statistics Usage

Tree	Total	Agreed	Disagreed	Used	Unused
Respiratory Infection	3	66% (2)	33% (1)	66% (2)	33% (1)
Soft Skin and Tissue Infection	4	50% (2)	50% (2)	50% (2)	50% (2)

Usage Data Screen: Shows the usage data for the given institution. The statistics view is a “big picture” overview broken down by tree. It shows the total number of usages, and then the percentage of agreed, disagreed, used, and unused. These can be filtered by user, infection, agreed/disagreed, used/unused, and date range. When a given row is clicked an expanded view drops down. This view contains statistics breakdowns by assessment/recommendations in the tree as seen in the following screenshot.

ABX Ninja Usage

Home Edit Tree Usage Data Assess Patient

All users - All Infections - Agreed/Disagreed - Used/Unused -

Start Date [calendar] End Date [calendar] Reset Filters

Statistics Usage

Tree	Total	Agreed	Disagreed	Used	Unused	
Respiratory Infection	3	66% (2)	33% (1)	66% (2)	33% (1)	
Assessment	Recommendation	Total	Agreed	Disagreed	Used	Unused
Acute bronchitis	No antibiotics needed	1	100% (1)	0% (0)	100% (1)	0% (0)
Mild CAP with no risk for DRSP	Azithro 500 mg PO BID x 3 days	1	100% (1)	0% (0)	100% (1)	0% (0)
Moderate to Severe COPD exac + PCN allergy	Azithro 500 mg PO Q24 x 3 days	1	0% (0)	100% (1)	0% (0)	100% (1)
Soft Skin and Tissue Infection		4	50% (2)	50% (2)	50% (2)	50% (2)

Usage Data Screen: Displays the information when a statistics row is expanded. This will group all the usages for a given tree by the assessment/recommenda

Home Edit Tree Usage Data Assess Patient

ABX Ninja Usage

All users - All infections - Agreed/Disagreed - Used/Unused -

Start Date [calendar] End Date [calendar] Reset Filters

Statistics Usage

Date	User	Tree	Agreed/Disagreed	Used/Unused
Apr 20, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Disagreed	Unused
Apr 21, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Disagreed	Unused
Apr 21, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Agreed	Used
Apr 23, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Agreed	Used
Apr 22, 2017	Katie Hochberg	Respiratory Infection	Agreed	Used
Apr 23, 2017	Katie Hochberg	Respiratory Infection	Disagreed	Unused
Apr 23, 2017	Katie Hochberg	Respiratory Infection	Agreed	Used

Usage Data Screen: By selecting the “usage” tab the administrator is able to see the individual usage records that are contributing to the higher level statistics. Any filter that is applied to the statistics tab will be reflected in the usage data that is shown on this screen. By clicking a usage row, an expanded view with more data will be displayed as seen on the next screenshot. s

ABX Ninja Usage

Home Edit Tree Usage Data Assess Patient

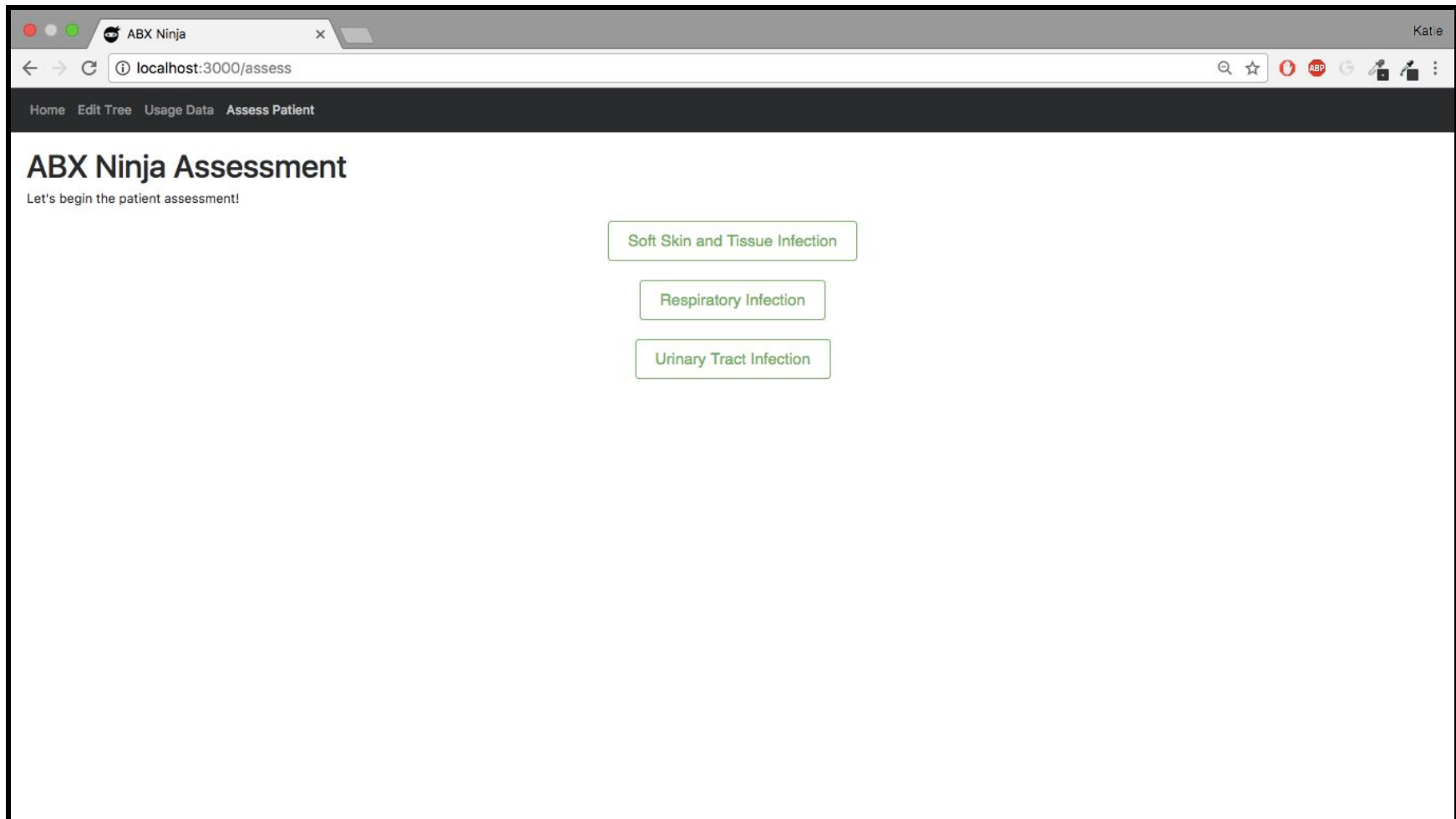
All users - All infections - Agreed/Disagreed - Used/Unused -

Start Date [calendar] End Date [calendar] Reset Filters

Statistics Usage

Date	User	Tree	Agreed/Disagreed	Used/Unused
Apr 20, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Disagreed	Unused
<p>Assessment: Purulent, Risk for Anaerobes, Severe PCN Allergy, Mild</p> <p>Recommendation: Clindamycin</p> <p>Disagree Reasons: Organism Risk Factors, Other</p> <p>Feedback: This is a bad recommendation for reasons x, y, and z</p>				
Apr 21, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Disagreed	Unused
Apr 21, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Agreed	Used
Apr 23, 2017	Katie Hochberg	Soft Skin and Tissue Infection	Agreed	Used
Apr 22, 2017	Katie Hochberg	Respiratory Infection	Agreed	Used
Apr 23, 2017	Katie Hochberg	Respiratory Infection	Disagreed	Unused

Usage Data Screen: This view shows the expanded view for a given usage row. This includes more specific information such as the assessment, recommendation, reasons for disagreement (only displayed if the user disagreed) and the textual feedback.



Assess Patient Screen: This screen is displayed when the “Assess Patient” tab is selected from the navigation bar. All of the trees that are stored in the database are displayed as buttons. On selecting a tree, the user will be taken to the input pages.

Input Screens: The following four screens show the input screens for the Soft Skin and Tissue Infection tree. The progress bar indicates to the user their current progress, and the current page that they are on is bolded where as the other titles are greyed out. By clicking next, the user can step through the various screens. Any field that is required has a red asterisk next to the name.

The screenshot shows a web browser window with the URL `localhost:3000/assess/inputs`. The application has a dark header with navigation links: Home, Edit Tree, Usage Data, and Assess Patient. Below the header, there are four tabs: Clinical, Symptoms, EMR, and Image Findings. The 'Clinical' tab is selected and highlighted with a green bar. The main content area is divided into three columns. The 'Clinical' column contains the following fields:

- Active/Recent Chemotherapy (Required field, indicated by a red asterisk): Yes, No, Unknown
- Bite (human or animal): Yes, No, Unknown
- Chronic Steroid Use: Yes, No, Unknown
- Chronic Wound Infection: Yes, No, Unknown
- Cirrhosis: Yes, No, Unknown
- Diabetic Foot Infection: Yes, No, Unknown

The 'Symptoms' column contains the following fields:

- Failed Oral Antibiotics: Yes, No, Unknown
- Immunosuppressive Medications: Yes, No, Unknown
- Injection Drug Site: Yes, No, Unknown
- Odontogenic Source: Yes, No, Unknown
- Pregnancy: Yes, No, Unknown
- Prosthetic Material at Site: Yes, No, Unknown

The 'EMR' column contains the following fields:

- Severe PCN Allergy (Required field, indicated by a red asterisk): Yes, No, Unknown
- Severe Peripheral Arterial Disease: Yes, No, Unknown
- Spider Bite: Yes, No, Unknown
- Surgical Site Infection: Yes, No, Unknown
- Transplant Recipient: Yes, No, Unknown
- Uncontrolled (T2) Diabetes: Yes, No, Unknown

A green 'Next' button is located at the bottom right of the form.

ABX Ninja x

localhost:3000/assess/inputs

Home Edit Tree Usage Data Assess Patient

Clinical **Symptoms** EMR Image Findings

** Indicates required field*

Boils and Folliculitis *	Newly Altered Mental Status *	Skin Anesthesia *
<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>
Crepitus *	Perianal/Perirectal Location *	Traumatic Inoculation/Gunshot
<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>
Fluctuance or Abscess *	Purulent Drainage *	
<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	<input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Unknown"/>	

Next

ABX Ninja x

localhost:3000/assess/inputs

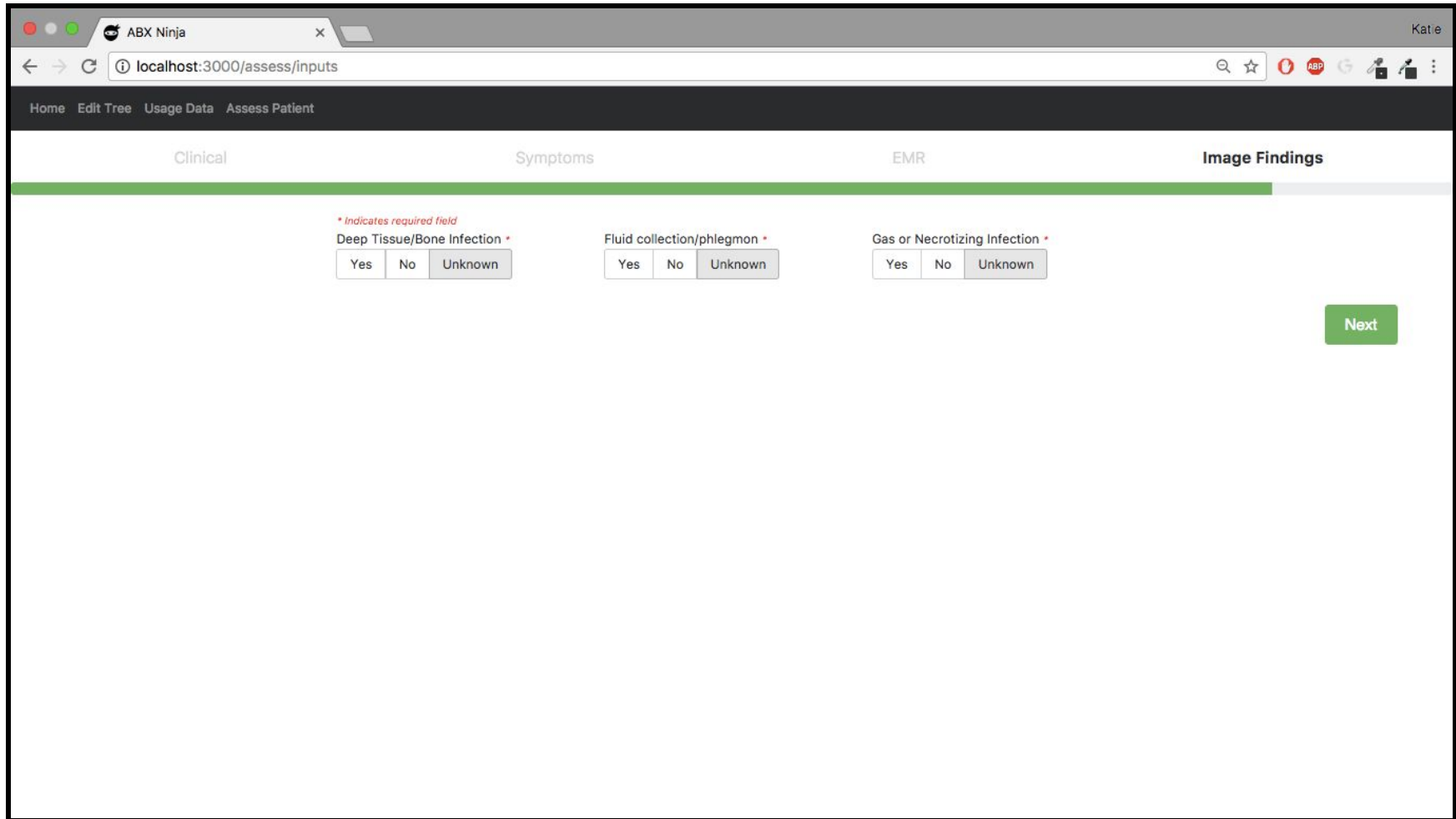
Home Edit Tree Usage Data Assess Patient

Clinical Symptoms **EMR** Image Findings

** Indicates required field*

<input type="text"/> Absolute Neutrophil Count *	<input type="text"/> Glucose *	<input type="text"/> Sodium *
<input type="text"/> Age *	<input type="text"/> Heart Rate *	<input type="text"/> Systolic Blood Pressure *
<input type="text"/> CRP *	<input type="text"/> Hemoglobin *	<input type="text"/> Temperature *
<input type="text"/> Creatinine *	<input type="text"/> Respiratory Rate *	<input type="text"/> WBC *

Next



Final Input Screen: After clicking next on this screen, the user will be taken to the Recommendation Screen.

ABX Ninja

localhost:3000/assess/recommendation

Home Edit Tree Usage Data Assess Patient

ABX Ninja Assessment

Assessment:
Neutropenic

Recommendation:
This pathway does not offer guidance for neutropenic patients at this time. Consider ID consultation.

[More Information](#)

Feedback:

Will use recommendation:

Agree with recommendation:

What did you disagree with:

Additional feedback...

Recommendation Screen: This screen displays the assessment/recommendation. The user can click more information to get a more detailed breakdown of what nodes they hit in the tree. The user will then input feedback on whether or not they used/agreed with the recommendation. If they select “No” for agree the disagreement reasons will be displayed and they can select multiple. The user can also leave additional feedback. When submit is clicked the user will be brought back to the home page.