

2023

# Hawai'i Annual Code Challenge (HACC)

<b>Challenge Title</b>	Affordable Healthcare Dashboard
<b>Department / Organization</b>	Tyler Hawaii
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<b>The Challenge</b>	
<b>Describe situation to be solved</b>	<p>Affordable healthcare is one of the largest crises within the United States and the islands of Hawaii are not exempt from the difficulty of providing services to those who may struggle to afford it. While the cost of health care steadily increases, a proportional increase in support for the underinsured/uninsured is lacking which results in great difficulty for individuals to receive care in a timely and affordable manner.</p> <p>While there are currently other large issues within the healthcare industry such as shortage of personal due to a poor retention of employees, these are not the only reasons why it can be difficult for people to receive aid. Distance to care as well as fitting an appointment into a full schedule of work or responsibilities can make it very difficult for people to receive aid. When compounded on the lack of clear and easily obtainable information regarding affordable clinics, it is understandable why affordable healthcare continues to remain a crisis.</p>
<b>Preconditions</b> <i>(How does it work now)</i>	<ol style="list-style-type: none"><li>1. Individuals with healthcare subscriptions can enter various clinics and practices and receive relatively affordable treatment.</li><li>2. Those who are uninsured/under insured face the choice of dealing with high costs of treatment or choosing to remain untreated.</li><li>3. There is a plethora of information regarding healthcare services, but it is not easily found nor easily digestible.</li></ol>
<b>Assumptions/Issues</b> <i>(list any conditions that could impact the solution)</i>	<p>Accessibility: Those who may struggle with accessing affordable healthcare may have other conditions besides that which they seek treatment for. Solutions must accommodate these people and their conditions.</p>

<b>Current Approach</b> <i>(how is situation currently being handled)</i>	<p>In the field of information regarding clinics, healthcare providers such as HMSA and Kaiser have their own dashboards to direct their subscribers to treatment. These dashboards are successful in informing subscribers but cannot help those who are uninsured/underinsured due to their lack of affiliation with a healthcare provider.</p>
<b>Users</b> <i>(Who would use the application - employees or constituents or both? How many users would there be?)</i>	<ol style="list-style-type: none"> <li>1. People that are uninsured/under insured who are actively seeking healthcare to resolve various conditions they may have in an affordable and timely manner.</li> <li>2. Insured individuals who may want to seek uninsured/underinsured clinics due to lack of coverage of their own subscriptions.</li> </ol>
<b>Business Rules</b>	<ol style="list-style-type: none"> <li>1. Available 24/7</li> <li>2. Doesn't store user information</li> </ol>
<b>Special Requirements</b>	<ol style="list-style-type: none"> <li>1. Accessibility</li> <li>2. Responsive Design</li> </ol>
<b>Technical Platforms</b> <i>(in use or desired to be used)</i>	NA
<b>Data set to be used or collected</b>	<p>External datasets to be retrieved or created can include:</p> <ul style="list-style-type: none"> <li>• Business/Entity Name</li> <li>• Location (Street Address or Coordinates)</li> <li>• Island in State of Hawaii</li> <li>• Services Provided</li> <li>• Insurance Accepted</li> <li>• Type (ER, Private Practice, Urgent Care, Free Clinic, etc)</li> <li>• Website</li> <li>• Phone Number</li> </ul>
<b>Data set calculations or reporting needs</b>	NA
<b>Solution Road Map</b>	
<b>Basic Flow</b> <i>(steps of user action/system response)</i>	<b>Landing Page</b>  <p>This page would show information about the web site/application (referred to as app from now on). What users can expect from the app and how it can help them. As Hawaii is a melting pot of nationalities, consider adding an option for language translation.</p>

	<p><b>Search Page</b></p> <p>This is where users can start a search for the service they are looking for as services around them. User should be able to use filters to narrow search results by location, services, cost, etc. Consider using conversational methods such as ChatGPT or chatbots to assist the user in finding what they need.</p> <p><b>Search Results</b></p> <p>Search results should show list of facilities that match the users request. Include information about facility like services provided, location, types of insurance accepted. Other features like a map and direction to get to location would be beneficial.</p>
<p><b>Goal of Solution</b></p>	<p>The goal of this solution is to provide healthcare information to those that are underinsured or non-insured. Information would allow the user to find the best option for their healthcare needs.</p> <p>Accessibility must be implemented as this information involves healthcare. Accessible solutions should be implemented to accommodate all users with disabilities.</p>
<p><b>Business Value</b> <i>(potential financial or time savings)</i></p>	<p>This app will save users time by aggregating all the information they would need into one place when looking for healthcare. Users may save money when finding less costly solutions. Time may further be saved when a user finds a closer place for a particular service.</p>
<p><b>Success Scenario</b> <i>(how you know a solution is working)</i></p>	<p>While success metrics may be hard to measure, it is totally dependent on user feedback. Consider adding a user feedback system. Visitor tracking may also be used to see how many users are using the app as well as their behavior (page and click tracking).</p>
<p><b>To be completed by the HACC Planning Committee</b></p>	
<p><b>Community/Industry Data Available</b></p>	
<p><b>Potential Community/Industry Co-Sponsors</b></p>	