

2020

# Hawai'i Annual Code Challenge (HACC)

<b>Challenge Title</b>	State of Hawaii Executive Branch IT Portfolio & Roadmap Visualization
<b>Department / Organization</b>	Office of Enterprise Technology Services (ETS)
<b>Subject Matter Contact</b>	Misti Hirasa
<b>SME Phone &amp; Email</b>	808 586-2192, misti.hirasa@hawaii.gov
<b>The Challenge</b>	
<b>Describe situation to be solved</b>	State of Hawaii Executive Branch IT portfolio should be visible to the public.
<b>Preconditions</b> <i>(How does it work now)</i>	<ol style="list-style-type: none"><li>1. ETS maintains a portfolio of all major IT software systems/applications and IT projects of the State of Hawaii Executive Branch.</li><li>2. This portfolio data is only visible internally - for State employees.</li><li>3. There is no public view of the IT Portfolio.</li></ol>
<b>Assumptions/Issues</b> <i>(list any conditions that could impact s solution)</i>	<ol style="list-style-type: none"><li>1. Select data on User Groups (Executive Branch Departments and Offices), IT Applications and IT Projects will be made available for HACC 2020 participants.</li></ol>
<b>Current Approach</b> <i>(how is situation currently being handled)</i>	<ol style="list-style-type: none"><li>1. There is no public view of the IT Portfolio.</li></ol>
<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. Since the IT portfolio visualizations would be publicly available, all State of Hawaii constituents, including interested citizens as well as IT vendors, would be potential users of the visualizations.</li></ol>
<b>Business Rules</b>	<ol style="list-style-type: none"><li>1. Data should be available via a public website; no user login is required</li><li>2. Visualizations can use any of the data provided</li></ol>

<b>Special Requirements</b>	<ol style="list-style-type: none"> <li>1. Responsive web design is preferred, visualizations should be visible on computers as well as mobile devices</li> <li>2. Flexible and high-performing filtering of data in visualizations is preferred</li> </ol>
<b>Technical Platforms</b> <i>(in use or desired to be used)</i>	Web-based design, viewable via all major web browsers
<b>Data set to be used or collected</b>	<p>The following data sets, available at data.hawaii.gov, are expected to be used:</p> <ol style="list-style-type: none"> <li>1. User Groups (Executive Branch Departments and Offices) <ol style="list-style-type: none"> <li>a. Name</li> <li>b. Parent User Group</li> </ol> </li> <li>2. IT Applications <ol style="list-style-type: none"> <li>a. Name</li> <li>b. Description</li> <li>c. Business Criticality</li> <li>d. Functional Fit</li> <li>e. Technical Fit</li> <li>f. Planning Started (date)</li> <li>g. Active (date)</li> <li>h. End of Life (date)</li> <li>i. Number of Users</li> <li>j. TIME Recommendation (Tolerate, Invest, Migrate or Eliminate an application)</li> <li>k. Hosting Model (On Premise, Co-Located, IaaS, PaaS, SaaS)</li> </ol> </li> <li>3. IT Projects <ol style="list-style-type: none"> <li>a. Name</li> <li>b. Description</li> <li>c. Project Status</li> <li>d. Business Value</li> <li>e. Project Risk</li> <li>f. Planning Started (date)</li> <li>g. Approved (date)</li> <li>h. Active (date)</li> <li>i. Cancelled (date)</li> <li>j. Completed (date)</li> </ol> </li> </ol>
<b>Data set calculations or reporting needs</b>	None
<b>Solution Road Map</b>	
<b>Basic Flow</b> <i>(steps of user action/system response)</i>	<ol style="list-style-type: none"> <li>1. User enters the site and sees an initial dashboard with key visualizations and metrics of the State's IT Portfolio (Applications and Projects)</li> </ol>

	2. User can navigate to more details on both Applications and Projects
<b>Goal of Solution</b>	<ol style="list-style-type: none"> <li>1. Provide creative and insightful visualizations of the current state of the State's IT Applications and IT Projects</li> <li>2. Provide creative and insightful visualizations of the State's IT Roadmap – i.e. the successor applications and those projects responsible for the transformation from the current state to the road-mapped future state of the overall IT Portfolio</li> </ol>
<b>Business Value</b> <i>(potential financial or time savings)</i>	<ol style="list-style-type: none"> <li>1. Transparency of the State IT Portfolio for all constituents</li> <li>2. Opportunity for innovation by the public and the vendor community for modernizing the State IT Portfolio</li> </ol>
<b>Success Scenario</b> <i>(how you know a solution is working)</i>	<ol style="list-style-type: none"> <li>1. The solution clearly demonstrates the current status of the State IT Portfolio</li> <li>2. The solution demonstrates the State IT roadmap to the extent available by the data provided</li> <li>3. The solution demonstrates the impact of incomplete portfolio data</li> </ol>
<b>To be completed by the HACC Planning Committee</b>	
<b>Community/Industry Data Available</b>	Not applicable
<b>Potential Community/Industry Co-Sponsors</b>	Not applicable