

Technical Documentation

Emodying Compassion in Budhisattva is written on the ionic platform, an AngularJS wrapper. Kindly familiarise yourself with both [AngularJS](#) and [ionic](#) before attempting to modify the app.

Overall Architecture Design

Like most AngularJS apps, this app was designed with the MVC (model view controller) design pattern in mind.

The model consists of two json files: terms.json and data.json that the controller draws from. The controller is split into the following modules:

about.js

This module pulls text from data.json and serves it to the view about.html which displays it.

artifact.js

This module takes the parameter \$stateParams.artifactId and pulls the artifact from data.json whose id is the same as \$stateParams.artifactId. It then serves the views full_screen.html, intermediate.html, and details.html and with that artifact as a json object.

full_screen.html serves the artifact's image. intermediate.html serves the image, it's caption, text, and audio narration of the text. While details.html serves the image, playlist, as well as a map icon and terms icon that redirects to their respective views.

compare.js

This module takes the parameter \$stateParams.artifactId and pulls the artifact from data.json whose id is the same as \$stateParams.artifactId. It then serves the view compare.html with the artifact as a json object.

It also implements compare.html's caption overlay functionality.

credits.js

This module pulls text from data.json and serves it to the view credits.html which displays it.

directives.js

explore.js

This module pulls theme data from data.json and serves it to the view explore.html which displays it.

searchartifacts.js

This module pulls all the artifacts from data.json and serves them to the view searchArtifacts.html which displays them. This view also implements string filtering to search for a particular artifact by title and id.

searchterms.js

This module pulls all the terms from terms.json and serves them to the view searchTerms.html which displays them. This view also implements string filtering to search for a particular term.

singletheme.js

This module takes the parameter \$stateParams.themeld and pulls all its artifacts from the them in data.json whose id is the same as \$stateParams.themeld. It then serves the view theme.html with the artifacts as an array of json objects.

slideshow.js

This module pulls all the artifacts from data.json and serves them to the view slideshow.html which displays them. This view also implements the swiping functionality that allows a user to swipe from one artifact image to the next.

start.js

This module manages the transitions between the views load.html, enter.html and concierge.html.

where.js

This module takes the parameter \$stateParams.artifactId and pulls the artifact from data.json whose id is the same as \$stateParams.artifactId. It then serves the view where.html with the artifact as a json object.

This view displays the map linked to in the json object's location tag.

Appendix: Project directory

- Compassion
 - Compassion
 - www
 - index.html
 - css
 - style.css

- img
 - maps
 - Theme1
 - Theme2
 - Theme3
 - theme_1.png, theme_2.png, theme_3.png, search.gif, loading_back.png, binocular.png, arrowhead.png, about_background.jpg, 3.jpg, 4.jpg
- js
 - app.js
 - modules
 - about.js, directives.js, slideshow.js, artifact.js, explore.js, start.js, compare.js, searchartifacts.js, terms.json, credits.js, searchterms.js, where.js, data.json, singletheme.js
- lib
 - angular
 - angular-animate
 - ionic
 - angular-ui-router
 - angular-sanitize
 - ...
- templates
 - artifact
 - compare.html, details.html, full_screen.html, where.html, details.html, intermediate.html
 - about.html, explore.html, slideshow.html, load.html, start.html, browse.html, menu.html, theme.html, credits.html, searchArtifacts.html, enterexhibit.html, searchTerms.html