FSM for GeneDive’s Front End UI

Navigate to genedive.net

**1.2 Register Account**

*registration.php*

Remove all DGDs

Search for DGD and select item

Add DGDs or filters that reduce results to 0

Remove DGDs or filters that increase results from 0

Add DGDs or filters that reduce results to 0

**1.1 Login Page**

*index.php*

[ error\_msg ]

Click Back in the table view or change DGDs or filters to show 1 or more results

Click on a column in the table view

**2.3 Search Results Details**

*search.php*

* Result’s details displayed in table view
* Graph view remains unchanged from State 2-B
* Filters Visible

[ search, hop\_selection, filters, graph ]

**2.1 Search Landing**  
*search.php*

* Site help/guide visible
* Filters hidden

[ search, hop\_selection]

**2.2 Search Results Summary**  
*search.php*

* Results displayed in table view and graph view
* Filters Visible

[ search, hop\_selection, filters, graph ]

**2.4 No Results**  
*search.php*

* “No Results found” displayed instead of graph
* Graph is blank
* Filters Visible

[ search, hop\_selection, filters, graph ]

Fill in correct email and password and hit Login

Fill in incorrect email or password and hit Login

Click Register

Click Go Back

**1.3 Registration Disabled**

*register.php*

Fill Forms and Click Register

Genedive FSM State Details

1.1 Login Page

1.2 Register Account

1.3 Registration Disabled

2.1 Search Landing

2.2 Search Results and Summary

2.3 Search Results Details

2.4 No Results

Genedive FSM State Transitions

* **1.1 -> 2.1**
  + Controller.js
    - Controller.constructor()
* **2.1 -> 2.2, 2.2 < - > 2.4**
  + Changing DGD, Hop, or Probability
    - Controller.js
      * Controller.runsearch()
      * Controller.filterInteractions()
      * Controller.highlightInteractions()
      * Controller.drawTable()
  + Changing Group By
    - Controller.js
      * Controller.drawTable()
* **2.2 -> 2.3**
  + Clicking on a DGD group
    - Controller.js
      * Controller.drawTable(), but doesn’t re-render graph
* **State 2.3 -> State 2.2**
  + Clicking Back
    - Controller.js
      * Controller.runsearch() \* number of times you’ve clicked Back since search.php was first loaded
      * Controller.filterInteractions() \* # of runsearch()
      * Controller.highlightInteractions() \* # of runsearch()

Controller.drawTable() \* # of runsearch()