FSM for GeneDive’s Front End UI

* **State 1-A -> State 2-A**
  + Controller.js
    - Controller.constructor()
* **State 2-A -> State 2-B, State 2-B < - > State 2-D**
  + Changing DGD, Hop, or Probability
    - Controller.js
      * Controller.runsearch()
      * Controller.filterInteractions()
      * Controller.highlightInteractions()
      * Controller.drawTable()
  + Changing Group By
    - Controller.js
      * Controller.drawTable()
* **State 2-B -> State 2-C**
  + Clicking on a DGD group
    - Controller.js
      * Controller.drawTable(), but doesn’t re-render graph
* **State 2-C -> State 2-B**
  + 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()

Navigate to genedive.net

**STATE 1-B**

Register Account Page *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

**STATE 1-A**

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

**STATE 2-C**

Search: 1 result’s detailed view

*search.php*

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

[ search, hop\_selection, filters, graph ]

**STATE 2-A**

Search: Landing  
*search.php*

* Site help/guide visible
* Filters hidden

[ search, hop\_selection]

**STATE 2-B**

Search: 1 or more results  
*search.php*

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

[ search, hop\_selection, filters, graph ]

**STATE 2-D**

Search: 0 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

**STATE 1-C**

Registration disabled *register.php*

Fill Forms and Click Register