Front-end Views:

* dnagifts
  + The landing page that introduces the tests
  + gives you access to the reports of the tests you already completed (reports view)
  + lists all the available test
* reports
  + Lists all the reports of the tests you already completed
* Test
  + Renders the test
* report
  + Renders the report after successful completion of the test
* email
  + (seems to be the body of the email sent to users after completing the test)

Flows

Download previous report

1. Site/dnagifts.php
2. Site/views/dnagifts/view.html.php
3. Site/views/dnagifts/tmpl/default.php
4. User clicks previous reports link
5. Site/dnagifts.php
6. Site/views/reports/view.html.php
7. Site/views/reports/tmpl/default.php
8. User clicks report link
9. Site/controllers/reports.php -> dlpdf()

**GENERATING THE REPORT**

* Base.Helpers.bind\_load()
  + If MSIE -> dispatchMSIEReport()
* Google.load(“visualization” … )
* google.setOnLoadCallback(drawCharts)
* drawCharts()
  + extractSVG()
    - If MSIE -> return false
  + \_extractSVG()
  + drawDnaGaugechart()
* dispatchReport()

In English:

* The bind\_load function runs and executes all the on-load functions, part if this is to check if the browser is MSIE
  + If is MSIE, then a special dispatchMSIEReport() function is called
  + Else, for all oher browsers, continue
* Load google charting visualisation library
  + When done (i.e. callback function) execute the drawCharts() function
* The drawCharts() function generates all the required reporting charts:
  + Executes extractSVG() multiple times for each SVG chart
    - extractSVG() first checks if it is the MSIE browser and exits if it is (because reporting for MSIE is handles separately in the bind\_load() function
    - executes the \_extractSVG() function which generate the SVG report
  + It also loops through all the required gauge-charts and generates those
* Once all SVG and Gauge charts are generated the dispatchReport() function is called

**GENERATING THE PDF OF THE REPORT**

dispatchReport() calls the function site/controllers/report.json.php -> dispatchReport()

dispatchMSIEReport() calls the function site/controllers/report.json.php -> dispatchMSIEReport()

both the above are Ajax calls that run while the user views the HTML version of their report

dispatchReport()

* Get the user object -> UtilsHelper::getUserObject()
  + If front-end, use current logged in user
  + If back-end, use user id for the related test
* ReportsHelper::genedateReportPDF()
  + Create the PDF document (Object):
* If this is called from the backend, then email the report -> ReportHelper::emailReportPDF()

dispatchMSIEReport()

* Get the user object -> UtilsHelper::getUserObject()
  + If front-end, use current logged in user
  + If back-end, use user id for the related test
* ReportsHelper::generateReportMSIEPDF()
* If this is called from the backend, then email the report -> ReportHelper::emailReportPDF()