**Element Quiz Documentation**

**Section 1.1 Generating Report Overview**

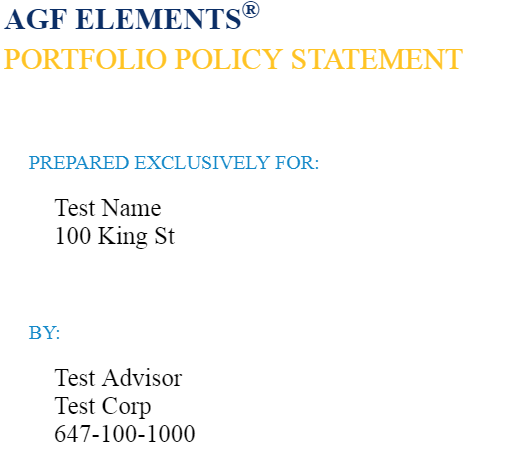
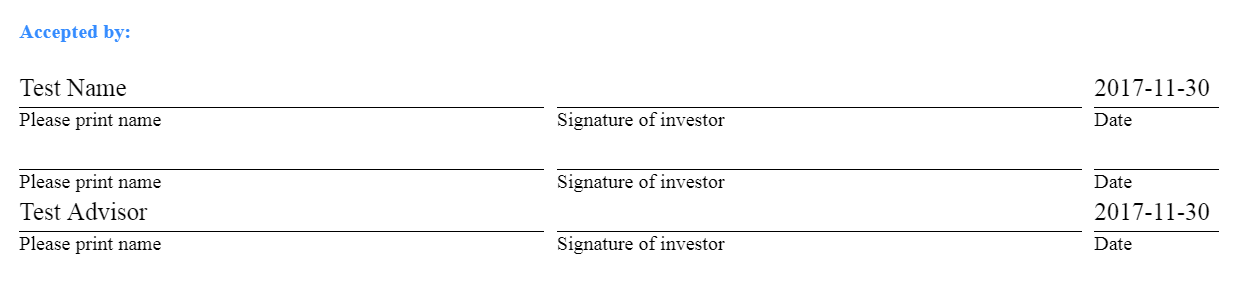
The report generating feature is used to save a PDF version of the portfolio report to user’s computer.

The report generating feature is divided into four sections: user input, information transfer between two sites, pie chart and table generation, and “print” (save as PDF). Detailed explanations can be viewed in the corresponding sections.

In this report, there are several sections requiring users to fill in when they finish their Element Quiz: client name, client address 1, client address 2, client address 3, advisor name, firm name, advisor phone number, date and class type.



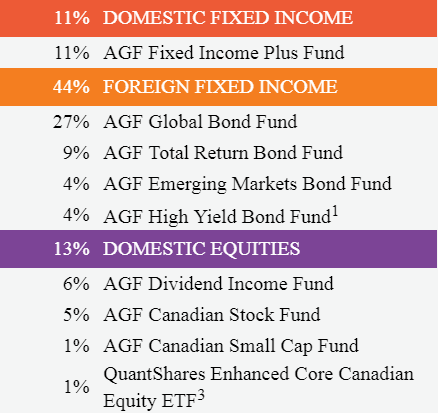
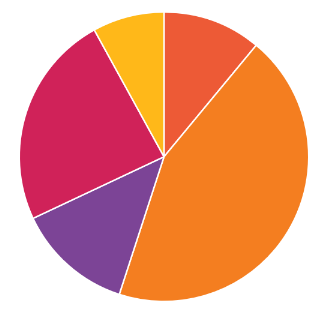
When user clicks on the “REPORT” button, a new webpage will open, and display the report:

The element quiz page and report page are two seperated web pages. In order to pass information from one site to another, query string is used. Example:

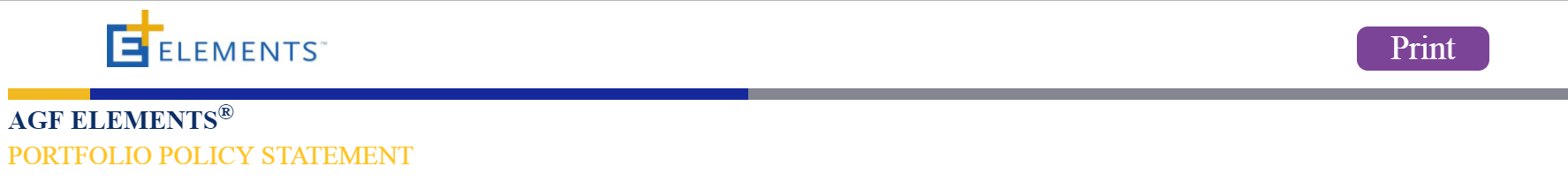
*“report-conservative.html?form/client-name=Test%20Name&form/address1=100%20King%20St&form/address2=&form/address3=&form/advisor-name=Test%20Advisor&form/firm-name=Test%20Corp&form/phone=647-100-1000&form/date=2017-11-30&form/class-name=Non-Corporate”*

Notice that there are one pie chart and three tables in a single report, for example:

All the data in the table and pie chart is dynamic, which means the data is not directly wirtten in the HTML. There is a JSON file (data definition) used to store all the necessary data. Functions are implemented in order to populate data into correct position.

On the top left of the report, there is a “Print” button:



This print is based on browser’s print functionality. When user click on this, a pop-up will show to let user select the print location( printer’s name or save as PDF). The print version has slightly different format with screen (web site) version. Two CSS stylesheets are liniked to the HTML homepage (the report page).

Section 1.2 Report Generator Interface and User Input

As shown in the overview, this is the user input interface:



**Structure Overview**

This form is simply use the HTML <form> tag, here is the HTML code:



<form> tag works with <input> tag to create a HTML form for user input. Notice that there is a “type” attribute in the <input> tag. This attribute specify the type of <input> element to display. In this piece of code, there are two types of <input>: text and radio.

Text is the default type of <input>. It will be shown as a text box with single-line text field, and its default width is 20 char.



Radio displays a radio button. User can select the option they want.



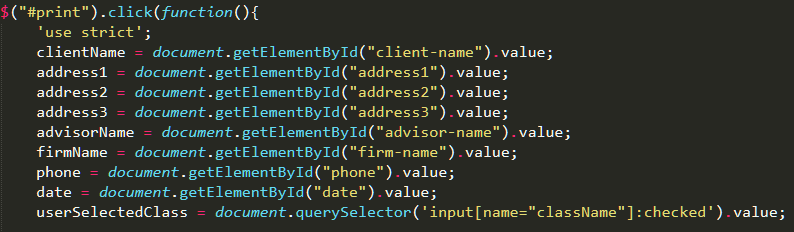
By default, all the option is unselected, so a new attribute “checked” is used to make the first radio selected.

Note that there is another attribute called “name”. In this code piece, the two options are grouped together, so they have the same name attribute.User can only select one option of the grouped options.

The “value” attribute contains the value of <input> tag. For the deault text box, it will return the value user typed in. For the ratio button, the value is pre-assigned. The value of the attribute will be returned.

**Function Overview**

When user clicks on “REPORT” button, the “click()” function will be triggered



All the user’s input is collected by “document.getElementById().value” except for the radio button.

“document.querySelector(selector)” will return the first matching element based on the selector. Since the user can only pick one option, there is only one matching in the documentation.

The data is collected, now they need to be parsed into a query string in order to be send to report page.