**PROBLEM**

The mission for this project is to implement C$ Finance , a website that allows users to manage portfolios of stocks.

The site’s homepage must require user login and also allow to register for an account. It should allow user to get a quote for a stock by providing its symbol. It should allow user to buy and sell shares of a stock. It should allow to check the current value of his or her portfolio.

**TECHNOLOGIES USED**

* HTML
* php
* SQL - MySQL
* Bootstrap
* Javascript

**OVERVIEW**

Databases

* portfolios(id, symbol, shares)
* users(id, email, passwordhash, balance)

Folders

* html
  + index.php
* controller
  + home.php
  + login.php
  + logout.php
  + register.php
  + quote.php
  + portfolio.php
  + buy.php
  + sell.php
* view
  + header.php
  + home.php
  + footer.php
  + register.php
  + login.php
  + quote.php
  + portfolio.php
  + buy.php
  + sell.php
* model
  + model.php
* includes
  + helper.php

FLOW

html direct

form/link controller model

view render

First user

html(index.php) (session\_start)

controller( home.php )

view( login.php )

view( register.php )

controller( register.php )

view( login.php )

controller( login.php ) (session id is set)

view( home.php )

portfolio quote logout

controller controller controller(session\_destroy)(session id unset)

view view view

* html
  + index.php -> ../controller/page.php or home.php
* controller
  + home.php -> ../view/home.php or login.php
  + login.php -> ../view/home.php or login.php
  + logout.php -> ../view/login.php
  + portfolio.php -> ../view/portfolio.php or login.php
  + quote.php -> ../view/quote.php
  + sell.php -> ../view/sell.php or portfolio.php
  + buy.php -> ../view/buy.php or portfolio.php
* view
  + header.php
  + footer.php
  + home.php -> quote or portfolio or logout -> html/
  + login.php -> form -> html/
  + register.php ->form -> html/
  + quote.php -> table of symbol, name and last trade
  + portfolio.php -> table of symbols and shares
  + buy.php -> form -> html/
  + sell.php -> form -> html/

Used .htaccess file to have good looking urls

# // Project 1

RewriteEngine on

RewriteBase /Harvard/project1

RewriteCond %{REQUEST\_URI} !html/index.php

RewriteRule html/([a-z]+)(\/(.+))? html/index.php?page=$1&param=$3