**Overview**

Using Modx Revolution Content Management System(CMS), create a splash page with the provided mock up and slices. This [project was requested by Pyxl as a coding challenge for an interview process. The challenge dead line is 5:00pm on Friday July 1st, 2016. This challenge focuses on ModX CMS and its features, which is being used by Pyxl development**.**

In this document the resources of code and access to the development environment which was created on will be given. Also, it will provide a brief version of software development documents used to create this project.

**Technical**

In this section requirements asked by Pyxil will be translated into technical requirements at a high level. The chemical requirements are as follows:

* Build header chunk, edit HTML as per the provided mock up.
* Build banner chunk, edit HTML as per the provided mock up.
* Build content chunk, edit HTML as per the provided mock up.
* Build video snippet, edit embedded code inside a snipped as per the provided mock up.
* Build footer chunk, edit HTML as per the provided mock up.
* Build news feed snippet, populate this section from XML link(<http://bigearsfestival.com/feed/>) and edit HTML as per the provided mock up.
* Store email data in the database.
* Using the same email data to forward an email to Jerod Mills at [jmills@thinkpyxl.com](mailto:jmills@thinkpyxl.com).
* Create layout using CSS Foundation responsive framework.
* Build animation via CSS for banner.

**Assumptions**

* Sample-quote2.png was created to make sure slider was working properly.
* Video should be responsive.
* Use of external package to store email on database.
* Use of initial theme CSS from Foundation responsive framework.
* Font was not requested to work on live site because of time constraints, but declared on CS.

Note: I believe there should be a way to create chunks, snippets, templates and pages by code, for example to add a project and its dependencies. Because of time constraints and learning the new CMS this were added via CMS. However, the code inside chunks, snippets and templates, was done by me, based on CSS templates or by research done on how to imp lent specific parts.

**Work Breakdown**

In this section a work breakdown will be provided outlining the approach taken to solve the problem from the requirements and assumptions provided.

* Study ModX from video tutorials.
* Install ModX
* Familiarized with ModX and its features
* Get a Foundation responsive framework initial template
* Build header chunk, add HTML code.
* Build banner chunk, add HTML code.
* Build content chunk, add HTML code.
* Build video snippet, add YouTube code.
* Build footer chunk, add HTML code.
* Looking for a package that can help store data to database
* Install package and add PHP code.
* Add PHP code for sending email.
* Make CSS animations for banner chunk.
* Document work

**Functional Tests**

* **Test:** Sider images seems not to be moving, they are moving but they are overlapping with a transparent background, therefore the slider is working but images do not reflect exactly that.
* **Bug: E**mail and store data to database code is placed and seems to be working, every other time. Need more time to fully fix this feature.
* **Test:** The site is tested for responsive sizing using Chrome developer tools for mobile devices.
* **Test:** site tested on Microsoft edge (does not work) and Google Chrome(work).
* **Bug:** Problem with gradient-repeater.jpg and search box on header when re-sizing to mobile.

**Resources**

* Link to website: http://devenv.eamena.com/
* GitHub repository: https://github.com/eamena/pyxl
* Account credentials

Username: pyxler

Password: pyxler007