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| **TIMELINE** | **Week 1** | **Week 2** | **Week 3** | **Week 4** |
| **Front-end Development** | * Distribute overview for content request to business stakeholders. * Finalize mockups for *public portal* layout, including responsiveness spec. * Develop *splash* page. | * Distribute detailed *splash* page content request to business stakeholders. * Develop template for the *products* route. * Update Design & Style blueprints. | * Distribute detailed *Public* portal content requests to business stakeholders. * Develop templates for the remaining *public* routes based on *products* page. * Brainstorm CMS–based content updates/modifications. | * Research React.js[[1]](#footnote-1). * Develop templates for *customer* and *employee* *portal*. * Discuss detailed content requests for all remaining routes with business stakeholders. |
| **Testing** |  | Unit | Unit, Interface | Functionality |
| Research frontend testing frameworks | Test splash page | Test product page | Test other pages |
| **Back-end**  **Development** | * Setup the development environment, i.e: software installation, infrastructure wire up, git branches. * Set up splash page route | * Set up category page route * Setup posts routes * Research about keystone content management portal implementation | * Setup remaining routes, i.e: account, customer portal, employee portal | * Discuss the implementation solution for CMS portal * Setup required route for CMS system |

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| **TIMELINE** | **Week 5** | **Week 6** | **Week 7** | **Week 8** |
| **Front-end**  **Development** | * Situate the *CMS* portal inside the *employee* portal. * Restyle *CMS* to match corporate website. * Update Design & Style mockups and blueprints. | * Research dependent technologies (e.g. shopping cart APIs). * Collaborate with whole web team to produce design documents for complex routes: **store, my account/devices, purchase, dept. portals.** * Refine *customer* and *employee* portal templates. * Update Design & Style blueprints. | | * Begin developing complex routes. * Itemize missing content:   + icons, graphics, etc. * Establish feature freeze for GA/release. |
| **Testing** | Unit, Interface | Functionality, Usability, Compatibility | Performance | Security |
|  | Test public portal and CMS system |  | Test complex pages |
| **Back-end**  **Development** | * Research about transaction safety solutions * Generate request of license for those service to the business stakeholders * Setup prototypes for those modules | | * Develop alpha version for shopping cart, tesseract license purchases and other transaction related services * Iteration with business stakeholders for those applications * Establish feature freeze for GA/release. | |
| **TIMELINE** | **Week 9** | **Week 10** | **Week 11** | **Week 12** |
| **Front-end**  **Development** | * Distribute a final overview for Corporate Web content. * Continue developing complex routes. | * Integrate external dependency content as delivered. * Continue developing complex routes. | * Integrate external dependency content as delivered. * Wrap-up complex route development. | * Conduct Design critique. * Tweak styles. * Update Design & Style blueprints. |
| **Testing** | Unit, Interface, Functionality | Performance, Compatibility | Security | Usability |
|  | Over all system test | | |
| **Back-end**  **Development** | * Setup Jenkins auto build task |  |  |  |

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| **TIMELINE** | **Week 13** |  |  |  |
| **Front-end**  **Development** |  |  |  |  |
| **Testing** | Usability, Compatibility, Performance |  |  |  |
|  |  |  |  |
| **Back-end**  **Development** |  |  |  |  |

1. React.js is the library used by keystone.js to generate content management portal [↑](#footnote-ref-1)