|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Java III Application Programming**  **Project Status and Design Report**   |  |  |  | | --- | --- | --- | | **Topic:** | *Mini-CLC aka Milestone 1: Proposal, Sitemap, and Draft Division of Work* | | | **Date:** | *2/15/19* | | | **Revision:** | *1.0* | | | **Team:** | 1. *Zack Chambers* | | | 1. *Chad Weirick* | | | **Weekly Team Status Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *Met and contributed beta 0.75* | *Zack Chamber* | *6* |  | | *Met and contributed revision 0.75* | *Chad Weirick* | *6* |  | | | | **GIT URL:** | [*https://github.com/zchambers3/CST235*](https://github.com/zchambers3/CST235) | | | **Peer Review:** | *Y* | We acknowledge that our team has reviewed this Report and we agree to the approach we are all taking. |   **Design Documentation**  **General Technical Approach:**  *In our meeting we discussed how we had already worked on a basic blog and were looking for more of a challenge that might be practical for employment. E-Commerce appealed to both of us.*  *We also decided that each week we want to switch up who is major on which technology so we both get ample experience in the hot seat for each type of tech used.*  *Further, we agreed to be a week ahead within 2 weeks’ time, so we can begin adding more additional polish. Again, our goal as GCU students is employment in the sector so we want to not just meet minimum standards, we want to get more out of this class via this project.*  **Key Technical Design Decisions:**  *We have decided to opt for a simple e-commerce site which allows:*   1. *Multiple items that can be added/modified/removed from an admin module.* 2. *User carts that can be added to/deleted.*   **Known Issues:**  *None at this time; we are in a planning/conceptual phase.*  **Risks:**  *We mitigate our risks by starting with a small goal. We can always add to it later as we intend to be ahead of pace within 2 weeks’ time by an additional week.*  **ER Diagram:**  **Flow Diagram for Persistence**    **Flow Diagram for JavaBeans API**    **DDL Scripts:**  [*https://github.com/zchambers3/CST235*](https://github.com/zchambers3/CST235)  **Sitemap Diagram:** Diagram below represents our goals of what we hope our site will resemble once complete.  **User Interface Diagrams:**    **Class Diagrams:**    **Service API Design:**  We are looking to implement something like the below diagram. Depending on how well we grasp the concepts we might alter as we see fit.    **Security Design:**  *In a practical deployment an SSL would be useful, but in our case, we will forgo and rely exclusively upon PBKDF2.*  **Other Documentation:**  *At this stage we have no further documentation.* |