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| **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. Our site will provide several different widgets/applications for a consumer to pick from and purchase.*  *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.*   |  |  |  |  | | --- | --- | --- | --- | | *Risk* | *Details* | *Strategy for Risk*  ***Avoidance*** | *Strategy for* ***Mitigation*** | | *Ambitious design and pace to be ahead in 2 weeks times by 1 week.* | *Our goal is to work ahead on the CLC project to be ahead of pace within 2 weeks by an additional week.* | *Study required elements in the project needed to finish the course and adapt new tools we can add along the way to go above and beyond.* | *Work ahead when free time is allotted, keep weekend open for homework, communicate daily with use of Discord and Google hangout.* | | Not sure how to accomplish a specific coding task. | Questions to professor don’t get answered immediately. No response after 10:00 p.m. | Plan on finishing work one day before the deadline.  Get explanations from online documentation and tutorials. | Submit questions with fully documented problems: copy of source code and run-time results – errors or unexpected output. | | Computer failure | Lose data, code corrupted, hardware failure, computer too slow for required applications (JBOSS) | Backup code / project daily through GitHub. | Backup code daily to GitHub repository. |   **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.* |