Functional Requirements

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| **Functional Requirement** | **Acceptance Test Plan** | **Build** |
| 1. Login for each user  *Primary-* Hall  *Backup-* Gibson | 1.1 - Every user must be able to correctly log in with their credentials. (Normal)  1.2 - Users only see information pertinent to them when they log in (Normal)  1.3 - Users cannot log in without proper username or password (Abnormal) | Build 1 |
| 2. Data-Updates with Local Changes  *Primary-* Pullig  *Backup-* Coons | 2.1 - Proper amount of currently available funds are displayed. (Normal)  2.2 - When an inquiry is cleared the proper amount of money is reflected in the account. (Normal)  2.3 - Completed transactions from the fiscal year with job number are displayed. (Normal)  2.4 - The system would display negative money for a user that has overspent their grants. (Abnormal) | Build 3 |
| 3. Validated data entry for admin  *Primary-* Pullig  *Backup-* Hall | 3.1 - Admin has an efficient way to enter faculty expenses into the database. (Normal)  3.2 - Admin can enter expenses for any faculty account. (Normal)  3.3 - Admin would be prevented from entering more money than a faculty member has available. (Abnormal) | Build 4 |
| 4. Proper Logout  *Primary-* Coons  *Backup-* Gibson | 4.1 - When a user clicks the logout button, their session is ended. (Normal)  4.2 - The session info is not saved on the client’s browser when logout is selected (Normal)  4.3 - The session is ended when the browser is closed because of sensitive personal information (Abnormal) | Build 1 |
| 5. Pull from Fast-Data System  *Primary-* Gibson  *Backup-* Arnold | 5.1 - Get proper connection to USNA’s finance database (Normal)  5.2 - A user’s information is searched when their work order number is entered (Normal)  5.3 - No order will display when the incorrect order number is entered (Abnormal) | Build 3 |
| 6. Data Transfer  *Primary-* Coons  *Backup-* Arnold | 6.1 - Information is transferred between the client and our website. (Normal)  6.2 - Information that is improperly formatted should not be sent (Abnormal) | Build 1 |
| 7. Concurrent and Secure Database interaction  *Primary-* Hall  *Backup-* Coons | 7.1 - Data is encrypted if there happens to be an intruder watching data move between endpoints (Abnormal)  7.2 - Queries are guaranteed to be concurrent using structured Transactions in MySQL (Normal) | Build 4 |
| 8. Properly navigable web pages  *Primary-* Arnold  *Backup-* Pullig | 8.1 - When you click a link to another page on the site you are properly rerouted to that page (normal)  8.2 - When a page does not exist an error page is presented (abnormal) | Build 2 |
| 9. Informational and useful log files  *Primary-* Arnold  *Backup-* Pullig | 9.1 - Throughout user's interactions with site their actions are securely logged (normal)  9.2 - When a user continuously resubmits a form identical messages are not generated (abnormal) | Build 3 |
| 10. Only admin can access admin page  *Primary-* Gibson  *Backup-* Hall | 10.1 - When an admin logs in, they have access to admin page (normal)  10.2 - Disallow forced entry to admin page from unauthorized user (abnormal) | Build 2 |

**Table A. Functional Requirements and how they will be tested**