**Implementation Constraints Plan**

|  |  |  |
| --- | --- | --- |
| **Constraint** | **Possible Effect of Constraint on Product** | **Solution** |
| **Hardware and software platforms** | May display only on local laptop host, not be responsive to other devices and screen sizes and be unpredictable on browsers other than Chrome. | CSS and Flexbox to ensure responsive. Test in current (and previous two) supported versions of all popular browsers. |
| **Performance requirements** | Increased SQL calls may slow performance. | Refactor to be efficient and have no extraneous SQL calls to database. |
| **Persistent storage and transactions** | Data is stored locally on laptop and is nether backed up nor accessible from any other location. | Hold data on server. |
| **Usability** | No user groups will be involved in usability testing and there is no client base / internal team to conduct UAT. Catering for visually impaired / colour blind etc is not in requirements. | Substitute clients / internal teams with peers to identify issues. Use best practice to use colour schemes friendly to colour blind. |
| **Budgets** | Given the above system restraints, users may not pay to upgrade their devices to accommodate the app. | Ensure app runs in popular operating systems, devices and browsers. |
| **Time limitations** | Six day project assumes MVP must be complete but nice-to-haves, coulds and woulds may not be in scope. | Prioritise using MoSCow. |