|  |  |  |
| --- | --- | --- |
| **Constraint Category** | **Implementation Constraint** | **Solution** |
| **Hardware and Software Platforms** | The spending tracker is restricted to the use of Python, Flask and PostgreSQL for production. It will only be available in a browser initially and not developed as a mobile app. | Keeping the design and functionality simple using Python and only requiring testing in browsers rather than multiple mobile devises as well. |
| **Performance Requirements** | The application, should be compatible with the latest versions of all major browsers, so that performance is not affected. | Checking all browser requirements and factoring this into the functionality and design of the app. Testing usage on the major browsers for issues/bugs and rectifying these. |
| **Persistent Storage and Transactions** | The app will be available to users online only, so they will require an internet connection. | Allow data to be stored on the local device and updated to the storage server, once an internet connection is re-established. |
| **Usability** | Due to limited budget, the app will be quite basic but will require to be used on a mobile browser as well as a desktop. | Keep CTAs large enough that they can be used easily on a desktop and mobile browser the same, without the need for a mobile specific interface. |
| **Budgets** | There is a small budget of £3,000, which cannot be exceeded. | Keeping the design and functionality simple will cut down on time and therefore costs. |
| **Time Limitations** | The project should be completed in one week. | Proper planning and time management is required to meet this tight deadline. |