A.D.5

Dragon Shelter - Implementation Constraints plan

The following represent known project constraints:

Constraint	Possible effect of constraint	Details
Hardware platform		
- Mac Book Pro	Limits the audience	Developing on a MacBook Pro is only CodeClan development tool available
Software platform		
- Ruby - Restful routes - Sinatra front end - SQL database	Limits the possible speed of development over Ruby on Rails	Constrains are set as part of the MVP
Performance requirements		
- must be of sufficient speed so as pages load without user frustration	Additional time required to design database and pages optimised for speed	Developing faster apps may require additional time to perform refactoring on code
Persistent storage and transactions		
- must be able to restart app without loosing data entered	- Additional hard disk apace may be required to store database as it grows -The app may slow down as save requests are made to database	Higher spec hardware may be required
Usability		
- must be developed for people with visual impairments	- Use larger fonts - Use contrasting colours - Additional usability testing may be required	May require additional time to test
Budgets		
- The budget is £1000	- Limit on the number of developers - Limit on the hosting server	May require additional budget to cover some of the constraints above
Time		
- 4 man days	- reduced functionality - reduced testing - reduced documentation	May require additional time should the project functionality creep