Report Name

Author Names
Group Name
itech/Dim3
Student no.s
{ name1, name2, name3, name4}@students.glasgow.ac.uk

ABSTRACT

Provide a concise summary of the design of the application

1. AIM OF APPLICATION

- What is the purpose of the application?
- Eg. The application is an academic search engine called AcaSe and is it is based upon the PuppyIR Framework[**?**], which has been used to construct other such services[**?**, **?**]. The main purpose of this web application is to provide a customized interface to services such as Google Scholar and MS Academic Search.
- What are the assumptions about the aims and objectives?
- Describe the design goals and objectives of the application.
- What are the constraints of the project?
- Functionality List: i.e. what is the required and desired functionality?
- Reflective Questions:
- Is the scope of the application appropriate?
- Are the design goals realistic/achievable?
- How complex is the application?
- Is distribution across the web appropriate?

2. CLIENT INTERFACE

- Draw a wireframe of the user interface
- this may require several wireframes depending on the complexity of the application and the interfaces
- Describe the user interface.
- i.e. Label key input and output components: describe them.
- Provide a Walkthrough and explain the user interactions with application.
- i.e. use cases
- Describe the interactions associated with the dynamic components on the user interface.
- What calls are required to dynamically update the data on the client side?
- How does the user interface help the user achieve their goal, or complete their task?
- Is the user interface intuitive, appealing, usable, etc?
- What technologies are used on the client side?
- What are the reasons for your choices? i.e. what is the advantages and disadvantages of using this technology?
- What other options are there?

3. APPLICATION ARCHITECTURE

- N-Teir Architecture Diagram
- i.e. data flow diagram between the interface/client, middle ware, and backend services/data repos
- Describe the data model i.e. what data needs to be stored or persisted by the application?
- What are the relationships within the data model.
- i.e. use ER diagram and explain.
- Describe the backend services used (if any).
- Reflective Questions:
- How have you ensured that there is a separation of concerns?
- What other technology could have been used instead of django?
- What are the advantages of using a Web Application Framework over other technology?
- And, what are the disadvantages?

Copyright is held by the author/owner(s).
DIM3 2010, Glasgow, UK
ACM X-XXXXX-XX-X/XX/XX.

4. MESSAGE PARSING

- On the architecture diagram, Identify and label the main messages that will be parsed through the application.
- or alternatively (and preferably) include sequence diagrams to denote the sequence of communications parse between clients and servers.
- Describe the messages that are parsed back and forth through the application.
- For the main transactions - describe the payload of the messages
- i.e. What are the contents of the messages? i.e. include sample XML, XHTML, JSON, etc of one or two messages.
- What is the format of the messages?
- Why this format?
- What other formats could be used, what are the advantages and disadvantages of these other formats?

5. DESIGN REVISION / FEEDBACK

For the Implementation Report Only:

- include a summary of the feedback given (or refer to specific comments from the feedback)
- comment on how you have revised the design (if at all) according to the comments received
- how has the feedback helped, and has this process been helpful.

6. IMPLEMENTATION NOTES

For the Implementation Report Only:

- Views - What are the main views that you have implemented and what do they do?
- URL Mapping Schema - what is your URL mapping and schema?
- External Services - what external services does your application include and what handlers did you include?
- Functionality Checklist (which functionality is completed)
- Known Issues (what kind of works, what kind of errors to do you get)
- What technologies have been used and are required for the application. Include a list or table of all the technologies, standards, and protocols that will be required.

7. REFLECTIVE SUMMARY

For the Implementation Report Only:

- What have you learnt through the process of development?
- How did the application of frameworks help or hinder your progress?
- What problems did you encounter?
- What were your major achievements?

8. SUMMARY AND FUTURE WORK

- Summary of application and its current state.
- Include a list or table of all the technologies, standards, and protocols that will be required.
- What are the limitations?
- Plans for future development

9. ACKNOWLEDGEMENTS

Our thanks to the lecturers and demonstrators for their comments and suggestions. And our thanks to the peer reviewers for their feedback. Be sincere and be specific about how others have helped your group.

10. REFERENCES

[1] D. Elliott, R. Glassey, T. Polajnar, and L. Azzopardi. Finding and filtering information for children. In *Proceedings of the 33rd International ACM SIGIR conference on Research and development in Information Retrieval*, page 702, 2010.

[2] R. Glassey, D. Elliott, T. Polajnar, and L. Azzopardi. Interaction-based information filtering for children. In *Proceedings of the third symposium of Information Interaction in Context*, pages 329–334, 2010.

[3] R. Glassey, T. Polajnar, and L. Azzopardi. PuppyIR Unleashed: A Framework for Building Child-Oriented Information Services. In *PuppyIR Unleashed: A Framework for Building Child-Oriented Information Services.*, 2011.