

Crystal Team Outline

CS 410

Crystal Group - SoftWhere

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1. Introduction

Introduction placeholder here.

2. SoftWhere Product Description

- Software web application search engine
- User-generated pages
- Powerful filtering capabilities

2.1 Key Product Features and Capabilities

- Powerful keyword search over software descriptions
- Tag-based filtering of results
- Results ordered by search relevance and by user ratings
- User comments on each result

2.2 Major Components

- There will be an Apache web server hosting the service
- There will be a Django backend
- There will be a React frontend combined with HTML5
- There will be a MySQL database
- There will be Python3 code that handles a lot of the backend logic and SQL queries
- There will be an admin section of the web app for maintainers to maintain things

3. Identification of Case Study

- Examples from the slides:
- pdf reader = general user
- CLI pdf concatenate = advanced user

- Maybe-AI-generated top-10 lists
- Unreliable information.
- Old forum posts
- Outdated information
- Irrelevant search results
- SoftWhere aims to be an effective tool for general computer users and advanced users alike.
- A simple search will provide more relevant results than a generic search.
- Advanced search options, such as tags, will allow advanced users to search for precisely what they are looking for.

4. Product Prototype Description

Product prototype description placeholder.

4.1 Prototype Architecture

- Basic web server configuration for hosting the prototype.
- Simulated database structure demonstrating user and software data interaction.

4.2 Prototype Features and Capabilities

- User-Generated Product Pages
- User feedback system for rating software.
- Comments
- Basic search and filtering functionalities.
- Fundamental content to guarantee search result relevance.

4.3 Prototype Development Challenges

- Insufficient resources to execute every intended feature.
- Limitations on time for creating prototypes of intricate components.

5. Glossary

Glossary content goes here.

6. References

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