

CS 6359: Object-Oriented Analysis and Design

Interim Project 2 Report

Deliverables

Team 5

TECH TUNES

A MODERNIZED MUSIC SEARCH ENGINE

Team Members

Team No 5

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Introduction

- Tech Tunes is a user-friendly search engine built from scratch.
- Tech Tunes focuses on 'Music' as a specific domain and will only provide results confined to the knowledge of that domain.
- The primary functional units of the search engine are as follows:
 - Crawling: That will systematically browse the WWW to collect data for indexing.
 - Indexing: Refers to collecting, parsing, and storing data for fast retrieval.
 - Searching: Matching the user query to provide accurate results
 - Displaying: Presenting the retrieved data in a convenient and accessible manner.
- Our aim is to build a powerful and efficient engine to make custom searches utilizing the attributes of the movie entity and design a novel approach to perform this task.

Team Website: <https://ooad-team-website.web.app/>

GitHub Repo Link: <https://github.com/lipi5899/OOAD>

Demo Link:

https://drive.google.com/file/d/1w_dGUJLdVWWonQbUFFy772Jr7Kz7Drfy/view?usp=sharing

Functional Requirements:

(Same as Interim Project 1)

Non-Functional Requirements

(Same as Interim Project 1)

Planned Development Cycle

(Same as Interim Project 1)

Team Divisions

(Same as Interim Project 1)

System Diagrams

Following are the initial drafts of all the UML diagrams required for completion of Phase- 1.

Domain Model

(Same as Interim Project 1)

Big Picture Diagram

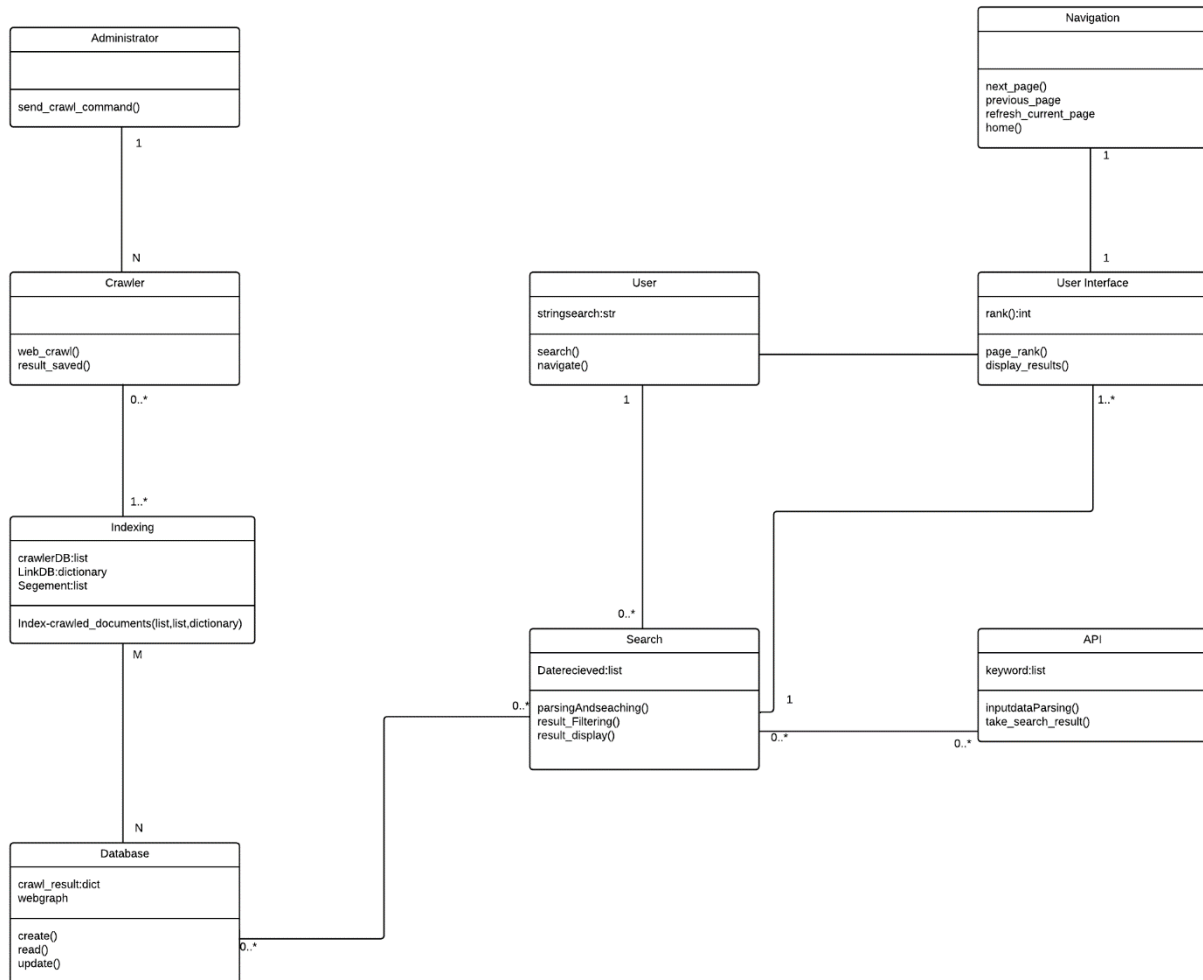
(Same as Interim Project 1)

Use Case

(Same as Interim Project 1)

Class Diagram

- Added Cardinality to the class Diagram.



Sequence Diagrams

1. User Search
(Same as Interim Project 1)
2. User Clicks Link
(Same as Interim Project 1)
3. Administrator Crawl Request
(Same as Interim Project 1)

Component Diagram

(Same as Interim Project 1)

Implementation

- Updated search Parameters.
 - Were using the link description as a search parameter.
 - Now using Link name instead as advised by professor.
- Revamped UI of the search engine.
 - A complete re-imagination of the User Interface to cater to our users and improve usability and readability of the application.
- Added Functionality for admins to view and delete links that are down and no more working.