FIT5032 Design Report (assignment 3)

Classical album
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Contents   **Page**

1. **Overview**

An increasing popularity of people like to collect classical music, this website is designed for those people who love classical music and want to get some information about classical album. It provides plenty of albums for classical music fans, who can explore this site and find their favorite CDs and music. For the future design the users can grade and comment some albums they brought and listened, then the site updates the grades give it an average grade to users to know how good this album is. There are some main purposes of the website:

Show records: Show record information in the database.

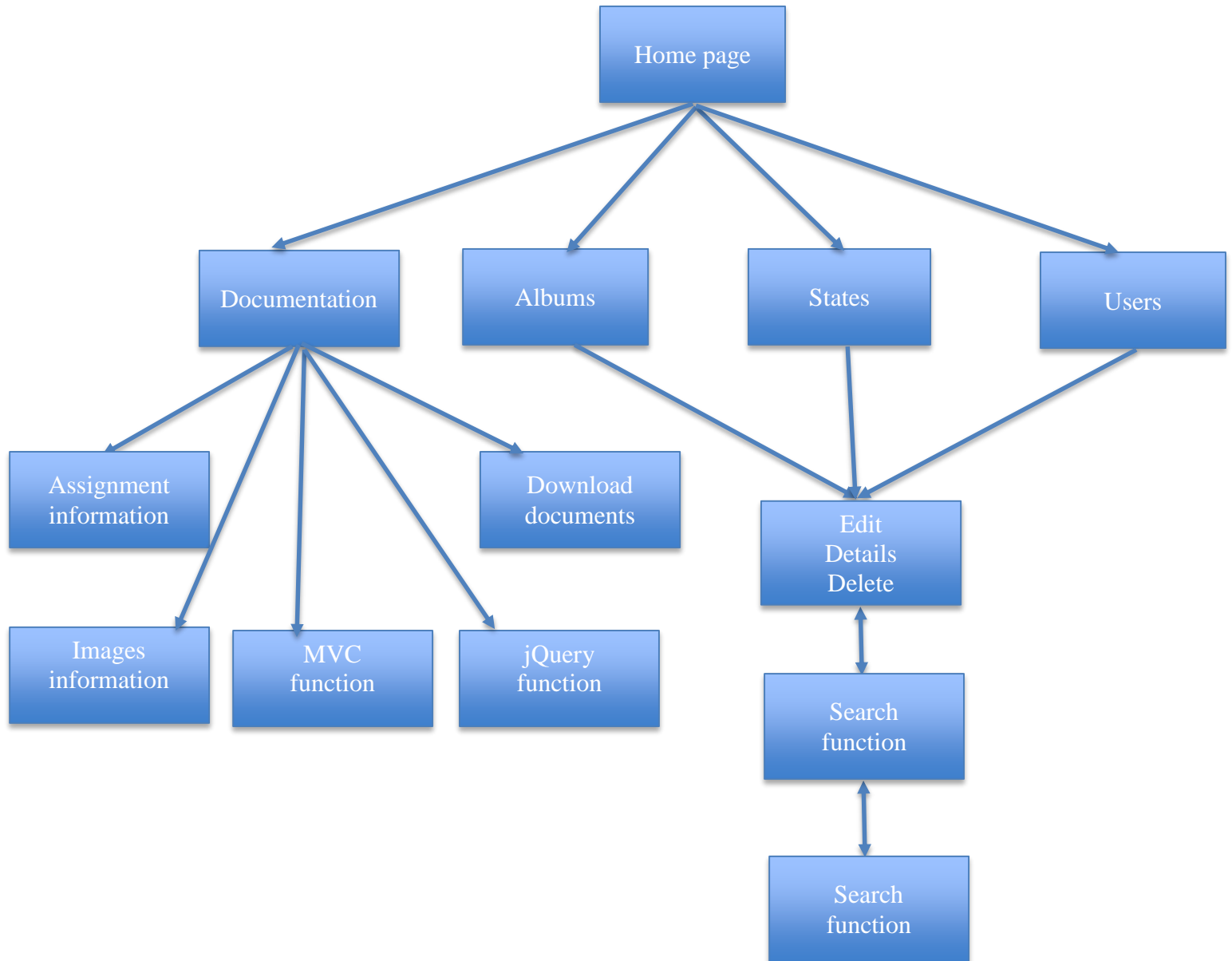**Search Function**: Administrator can search users and albums based on their name.

Edit Function: Edit the information about records.

Delete Function: Delete records from the website.

Assign album: Assign album to user`s favorite album.

Assignment information: Show the information of the assignment, and allow users download this report and assignment specifications.

Images information: Show images` information.

2. **Functional diagram**

```
                          ┌───────────────┐
                          │   Home page   │
                          └───────────────┘

┌──────────────┐   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│ Documentation│   │    Albums    │   │    States    │   │    Users     │
└──────────────┘   └──────────────┘   └──────────────┘   └──────────────┘

┌──────────────┐        ┌──────────────┐        ┌──────────────┐
│  Assignment  │        │   Download   │        │     Edit     │
│  information │        │  documents   │        │   Details    │
└──────────────┘        └──────────────┘        │   Delete     │
                                                └──────────────┘

┌──────────────┐  ┌──────────────┐  ┌──────────────┐   ┌──────────────┐
│    Images    │  │     MVC      │  │    jQuery    │   │    Search    │
│  information │  │   function   │  │   function   │   │   function   │
└──────────────┘  └──────────────┘  └──────────────┘   └──────────────┘

                                                       ┌──────────────┐
                                                       │    Search    │
                                                       │   function   │
                                                       └──────────────┘
```

3. **Core program functionality**

Search Function:

The user is able to enter a search term and the application will return record(s) which match this term or part thereof. Indicate to the user which attribute they can search on, in this application, it is user name and album`s name.

Database Function:

Edit records

Delete records

Show record details

jQuery Function:

Row highlighting

Alternating row colouring

Date-picker for entering dates

Documentation:

Documents download

Author information

4. **Usability Design Review**

Navigation: This website has great navigation, there is a navigation control in the top of all the pages. It is noteworthy that Classical album does not use sub menus which are complicated and may confuse customers. What is more, Classical album has links in home page which allow users easy to navigate.

Familiarity: Classical album follows fundamental design thinking, the majority of websites in the Internet has same format as Classical album. Customers might familiar with Classical album design, which is easy to use.

Consistency: All pages are using MVC, so they have same format and background. In each page, fonts and color schemes are using consistent style sheet, so the displayed page showing harmonious color.

Error Prevention: Classical album prevents almost all the errors, there are input text prevention which allow user input anything(as String) in edit page and asp.net validation controls which prevent invalid submission. Once users submit invalid information, texts will show on the page hint user input valid ones.

Feedback: It will have a feedback system on Classical album website.

Visual Clarity: The most of pages in Classical album using clear visual display, there are no many graphics in same page, althought there are many texts in one page, they are formatted in same page. It is a clean design, one page is formed by header, footer, navigation and middle section.

Flexibility and Efficiency: Classical album has not only focus on normal people who are looking for albums, but also focus on all the music lovers, who have amount of experience on music, Classical album also provides those professional information to them, make sure they can use this site efficient and enjoy using it.

5. Checklist of site functionality

	TICK if complete
1. Master Page	
Design	√
2. Home Page	
Design	√
3. Content Pages	
Design	√
Alphabetical list	√
Add Records	√
View Details	√
Edit Records	√
Delete Records	√
Add/Edit Validation	√
Search Function (Custom Template)	√
jQuery Functionality	√
Additional Functionality	
Send an email to author	√
Download documents(report)	√
Link to other websites	√
Sort list by time	√
prompt message	√
Documentation	
Author/assignment details	√
Audit	
No breaking of copyright	√

6. **User stories**

Personally speaking, to design a website about music is a dream to me. I really like some classical music, the reason may be I have 3 years saxophone study background. Nowadays, as Internet develops rapidly, more and more music produce companies choose to release music online first. So people would like to search music on online for getting albums.

However, in the market, there are massive websites designed for music purpose, the majority of them are innovated by music companies for special singers. This website`s aim is different from others. It is mainly focus on classical music albums. Those musicians or singers may not compose music any more. This website is for memory those masters.

As we have known, as a future publish website, cannot only based on author`s interests. It should include some marketing research as well. Recently, the Internet has made it easy to download songs people want for free, but frankly, illegally downloading music just is not an option if users are the honest type looking to support the artists and producers who enrich our lives. And although there are plenty of convenient ways to stream user`s favorite tracks for free (D. Prindle, 2015). Buy albums is another way to get music online. Because aiming on classical music, which is more meaningful than current main stream music on collection.

Classical album focus on sharing or selling old albums to music lovers, which means the main targets for this site may not teenagers, so it has to be interesting adults. The site should not put resources on music coverage, it should effort on exploring the souls and ideas on classical music.

7. **Data dictionary**

Album table:

	Name	Data Type	Allow Nulls
☞⊙	albumID	int	☐
	albumName	nvarchar(50)	☐
	albumYear	int	☐

State table:

	Name	Data Type	Allow Nulls
☞⊙	stateID	int	☐
	stateCode	nvarchar(3)	☐
	stateName	nvarchar(50)	☐
			☐

User table:

	Name	Data Type	Allow Nulls
☞⊙	userID	int	☐
	firstName	nvarchar(50)	☐
	lastName	nvarchar(50)	☑
	DOB	datetime	☑
	state	int	☐
	postcode	int	☑
	album	int	☐