

## Coding Test, Anne George

### Dashboard Browser Application

Decided to just go with what I know (JS, and bootstrap) rather than trying a framework.

#### Class Structure

ContextListener.java

*Context class and it's main responsibility is to make sure the album catalog is loaded.*

index.jsp

*User dashboard.*

Catalog.java

*HttpRequest/Response servlet.*

CatalogManager.java

*POJ class to encapsulate the managemen of the album data.*

*This class manages the initial load of the catalog and requests to display a range.*

*This class could be spun off into it's own service.*

#### Credits

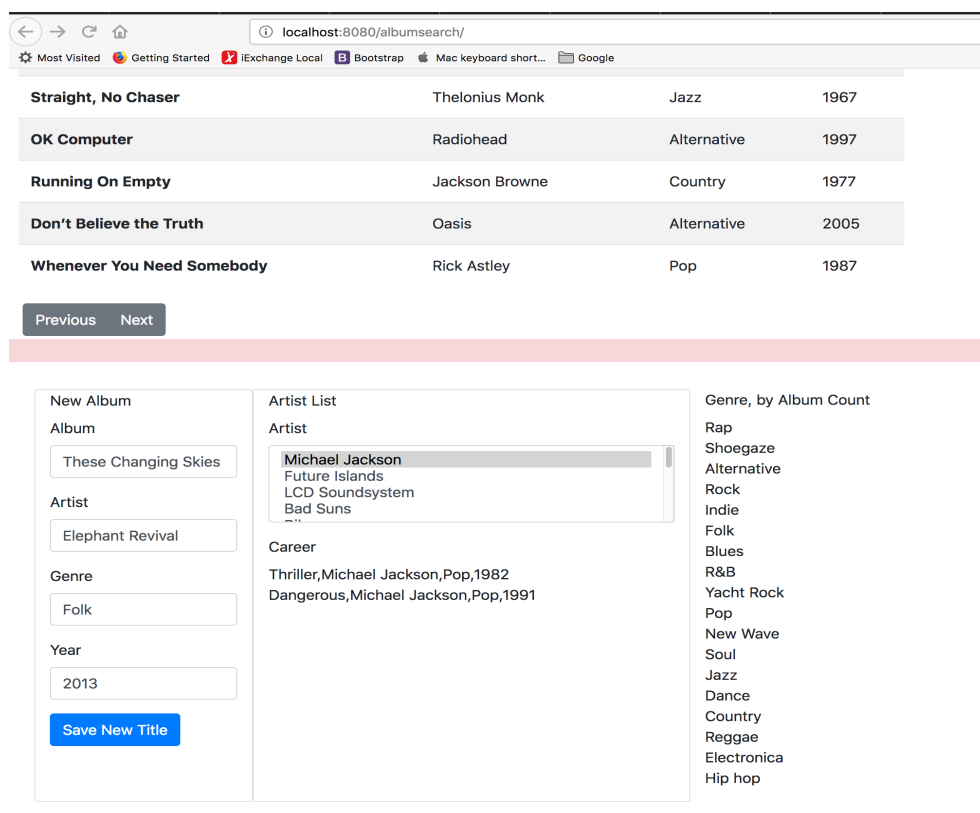
Free images at <http://clipart-library.com/record-cliparts.html>

#### Completed Requirements:

Given the attached .csv file of music albums, create an API with the following features:

- CRUD operation endpoints for albums
- An index of artists
- An endpoint for a particular artist that includes a listing of the artist's album(s).
- **Extra Credit (required for Senior Positions)**, Create an endpoint that returns genres ranked by number of albums or list the years with the most albums.

**Screenshots:** *(see below)*





album	artist	genre	year
Thriller	Michael Jackson	Pop	1982
Singles	Future Islands	Indie	2014
This Is Happening	LCD Soundsystem	Dance	2010
Disappear Here	Bad Suns	Rock	2016
ANTI	Rihanna	Hip hop	2016
Straight, No Chaser	Thelonius Monk	Jazz	1967
OK Computer	Radiohead	Alternative	1997
Running On Empty	Jackson Browne	Country	1977
Don't Believe the Truth	Oasis	Alternative	2005
Whenever You Need Somebody	Rick Astley	Pop	1987

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New Album	Artist List	Genre, by Album Count
Album	Artist	Rap