PLANNING

CLASS DIAGRAM & ENTITY RELATIONSHIP DIAGRAM

Artist

id: int
name: string

save()
update()
delete()
self.delete_all()
self.find_all()
self.find_by_id()

Album

id: int
title: string
stock_level: int
artist_id: int

save()
update()
delete()
self.delete_all()
self.find_all()
self.find_by_id()
show_stock_level()

Artists

id: SERIAL (pk)

name: VARCHAR

Albums

id: SERIAL (pk)

title: VARCHAR

stock_level: INT

artist_id: INT (fk)
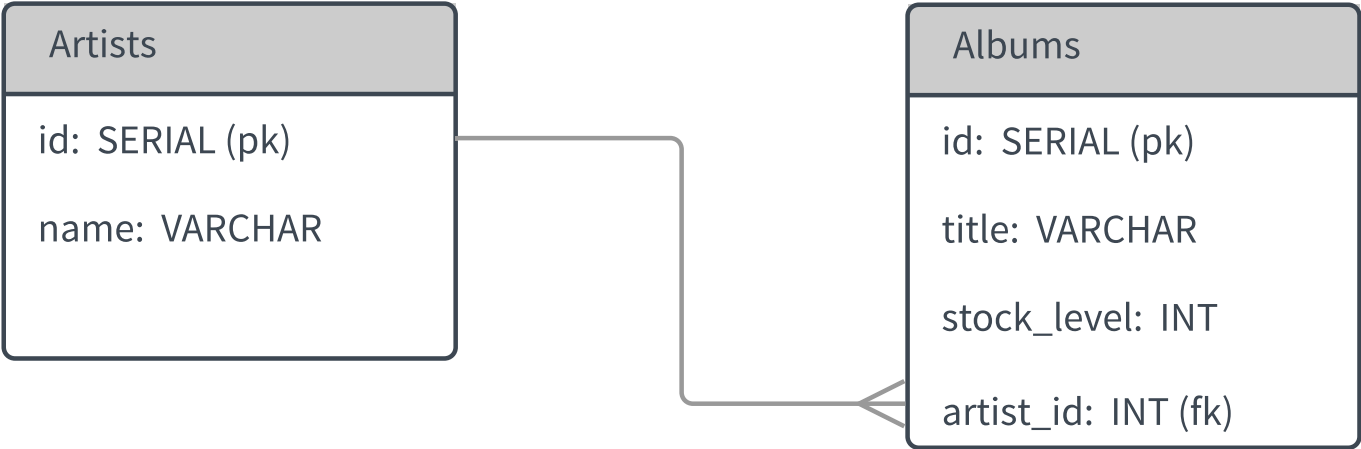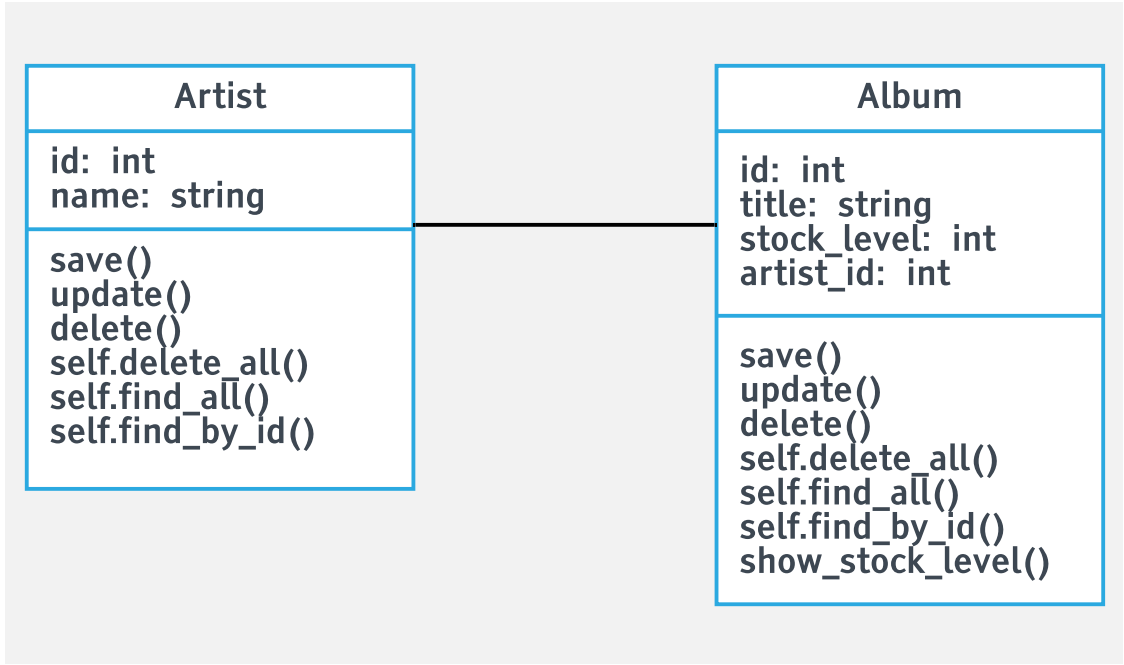
PROTO PERSONA

Your proto-persona's name

Jane

- Age: 33
- From: Scotland
- Lives: Glasgow

Behaviours

- Passionate about offering quality service to customers.
- Supportive of the local music scene and enjoys promoting local artists.
- Hard-working - often long-hours.

Demographic information

- Small business owner.
- Owner / sole permanent staff member at store.
- Married with young family.
- Currently sole-earner in family.

Needs and goals

- As the sole permanent staff member, their time is at a premium and any tool that could help save time and increase efficiency would be very useful.
- As an independent business with many online competitors, margins are often very narrow. Any analytical information that could increase turnover / profit would be massively beneficial.
- An app that can help provide a better service to customers may help repeat custom and increase reputation. Being able to quickly suggest similar, stocked artists would be very helpful.

USER NEEDS

As a...		I want to...	So that...
Record Store Owner		see which albums are low in stock	I can know when to re-order them.
""	""	see which albums have a lot of stock	I can push offers on them to increase sales.
""	""	see the genres of the albums I sell	so I can increase the stock of popular genres.
""	""	see all the albums in stock	I can quickly conduct a stock-take
""	""	be able to search through all stock by artist	I can make recommendations to clients
""	""	be able to search through all stock by album	I can quickly confirm availability in the store

USER JOURNEY

		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Persona's name	Jane							
Journey goal	Record Store - add new albums after weekly delivery and check remaining stock.							
		Step 1	**Step 2**	**Step 3**	**Step 4**	**Step 5**	**Step 6**	**Step 7**
User action(s)		Open up web application	Navigate to add album page	Fill in album details and stock count	Click update to add the record	Check to see that album and stock details have been updated.	Order the list of albums in order to see which albums may need re-ordered.	Order the list of albums, highest to lowest, to see which albums might have the price reduced.
System response		Display front-page with navigation bar and available web pages	Navigation button added to home page which links to 'add album' page	Web form required on 'add album' page so that album details to be added.	Update button to be added below web form. New record to be added to database.	Redirect added to 'album method' so that user is returned to stock list page. Database qury to show all album records on web page.	Further request to order database items accordingly. Web-page to display appropriate album information, in clear and efficient manner.	Another database request to order database items accordingly.
Potential problems				Web form to be added. Potential problem with user input. Possibly have a list of existing artists so that albums are correctly assigned to artists.	Add function required in controller. Add method required for class. Database query required to add record.	Show all class method required.	Sort function required for SQL query.	Sort function required for SQL query.

TRELLO

Record Store Project ⭐ Personal 🔒 Private

To do ...

TDD for additional methods

Object Diagram

Activity Diagram

Use Case Diagram

Wireframe Diagrams

User sitemap

Update read-me

Inventory class to carry out inventory methods?

Inventory views folder

+ Add another card

Doing ...

+ Add a card

Done ...

Proto Persona
🕐 20 Apr 💬 1

User Needs
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User Journey
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Class Diagram
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Entity Realtionship Diagram (EDR)
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SQL Runner
🕐 21 Apr

css on individual album page

Create Database & Tables
🕐 21 Apr

+ Add another card