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Lab-01 JS Intro





Background & Tools,  
Variables & Boolean Logic

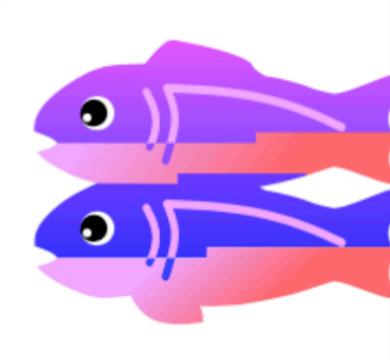
Lab-02 JS Arrays

	myCar		
0	Chev	← Data	← Name of the array
1	Ford		
2	Buick		
3	Lincoln		
4	Truck		← Index number

Comparison of an array to a column of data


Array Basics, Array  
Methods & Iteration

Lab-03a Glitch Intro



Create, modify and view  
your first Glitch project.

Lab-04b WebStorm



Using WebStorm instead  
of Glitch for Web App  
development

Lab-03b Todo 1



Create a Todo application  
in Glitch

Lab-03c Todo 2



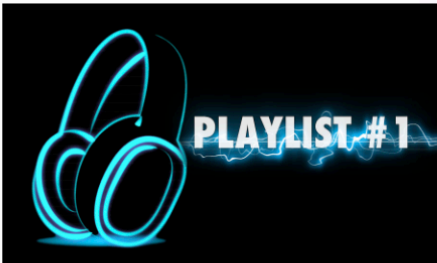
Incorporate IDs into the  
todo model

Lab-03d Todo 3




Incorporate Sessions /  
User accounts into Todo

Lab-04a Playlist 1




Import and run a new  
starter project. Extend  
this project to include...

Lab-05 Playlist 2



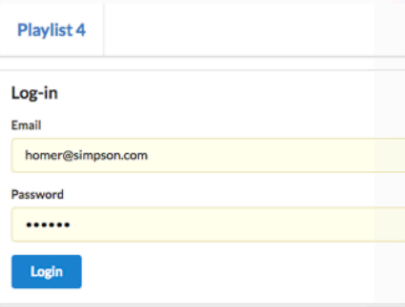
Refactor the dashboard  
controller to show  
summary on of the...

Lab-06 Playlist 3




Enable Songs and  
Playlists to be added via  
simple forms.

Lab-07a Playlist 4



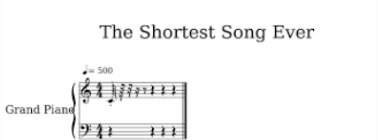
Introduce Sessions onto  
the Playlist application,  
enabling user accounts...

Lab-07b Playlist 5



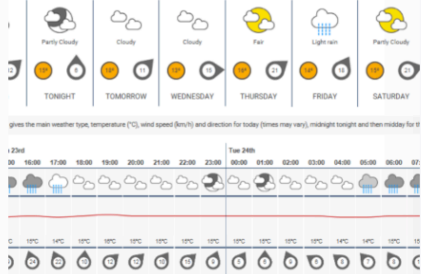
Implement a feature to  
update an existing Song

Lab-07c Playlist 6




Find and display the  
shortest song in a Playlist.

Lab 08a  
OpenWeatherMap




Create developer account  
and explore the API using  
the browser.

Lab 08b API Access



Retrieve latest weather  
report in javascript

Lab 08c Charts



Display a simple trend  
chart

# Labs

# Javascript

Accelerated  
introducing to  
Javascript

Explore a subset  
of the language  
suitable for our  
purposes

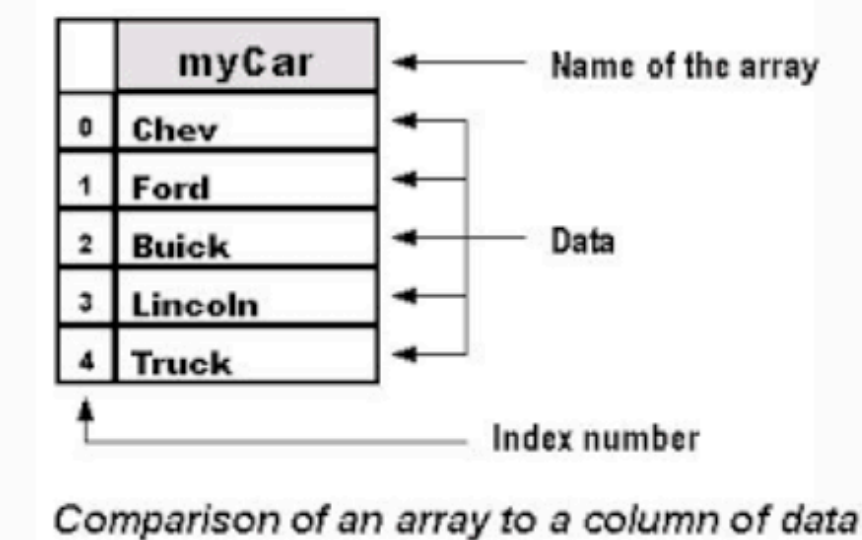
NOT using glitch  
for these labs -  
just a web browser

## Lab-01 JS Intro



Background & Tools,  
Variables & Boolean Logic

## Lab-02 JS Arrays

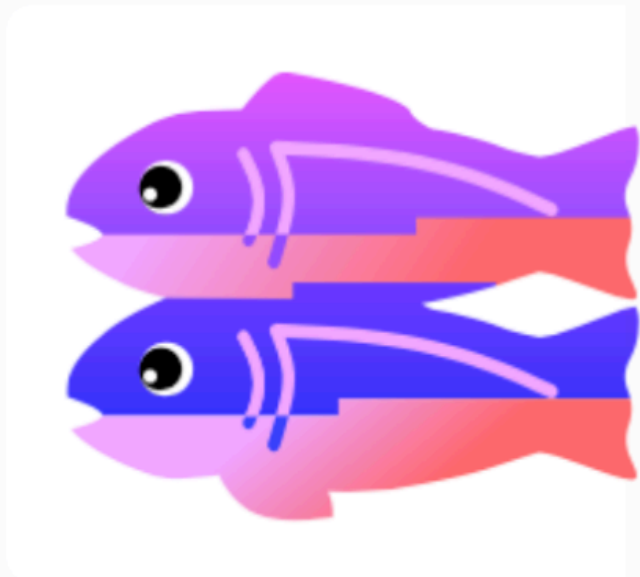


Array Basics, Array  
Methods & Iteration



# JS Application Development

## Lab-03a Glitch Intro 📌



Create, modify and view  
your first Glitch project.

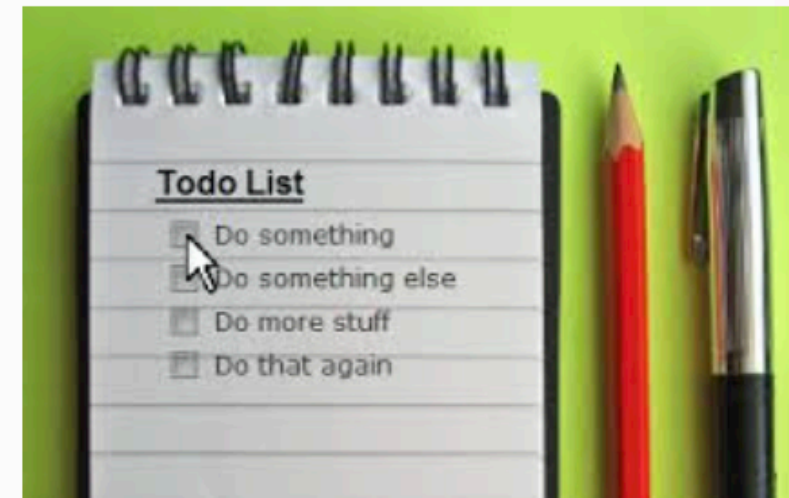
## Lab-04b WebStorm 📌



Using WebStorm instead  
of Glitch for Web App  
development

Exploring the Look  
& Feel of Glitch &  
WebStorm

## Lab-03b Todo 1 📌



Create a Todo application  
in Glitch

## Lab-03c Todo 2 📌



Incorporate IDs into the  
todo model

## Lab-03d Todo 3 📌



Incorporate Sessions /  
User accounts into Todo

Advance preview of course. Recreate the play todo  
list applications in Javascript Glitch.  
**Feel free to Skip these three labs (for the moment)!**


# Playlist

Rebuild the  
Playlist  
Applications

Identical features  
from Play/Java


Implemented in  
Javascript/  
Express

Lab-04a Playlist 1




Import and run a new starter project. Extend this project to include...

Lab-05 Playlist 2



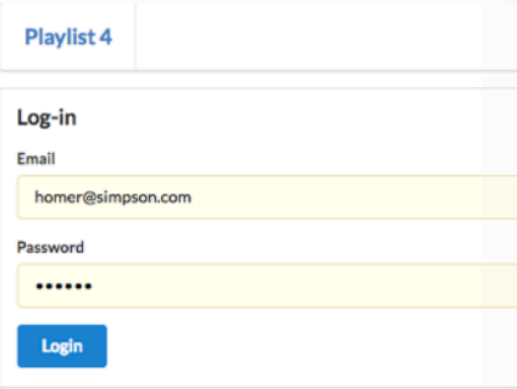
Refactor the dashboard controller to show summary on of the...

Lab-06 Playlist 3




Enable Songs and Playlists to be added via simple forms.

Lab-07a Playlist 4



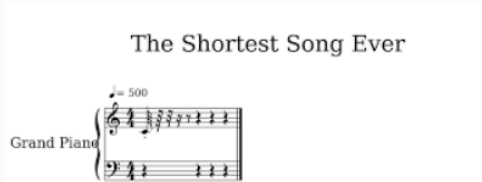
Introduce Sessions onto the Playlist application, enabling user accounts...

Lab-07b Playlist 5



Implement a feature to update an existing Song

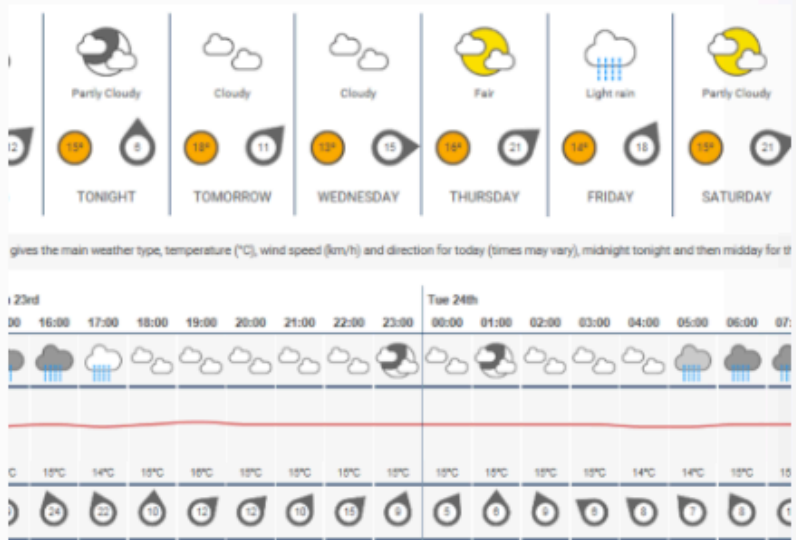
Lab-07c Playlist 6



Find and display the shortest song in a Playlist.

# APIs & Charts

## Lab 08a OpenWeatherMap



Partly Cloudy Cloudy Cloudy Fair Light rain Partly Cloudy

TONIGHT TOMORROW WEDNESDAY THURSDAY FRIDAY SATURDAY


gives the main weather type, temperature (°C), wind speed (km/h) and direction for today (times may vary), midnight tonight and then midday for the next 6 days.

12:30 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 Tue 24th 00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00

12°C 14°C 13°C 12°C 11°C 10°C 9°C 8°C 7°C 6°C 5°C 4°C 3°C 2°C 1°C 0°C


Create developer account and explore the API using the browser.

## Lab 08b API Access



Retrieve latest weather report in javascript

## Lab 08c Charts



Display a simple trend chart

## Additional Labs for Assignment



A preview of the labs in this module