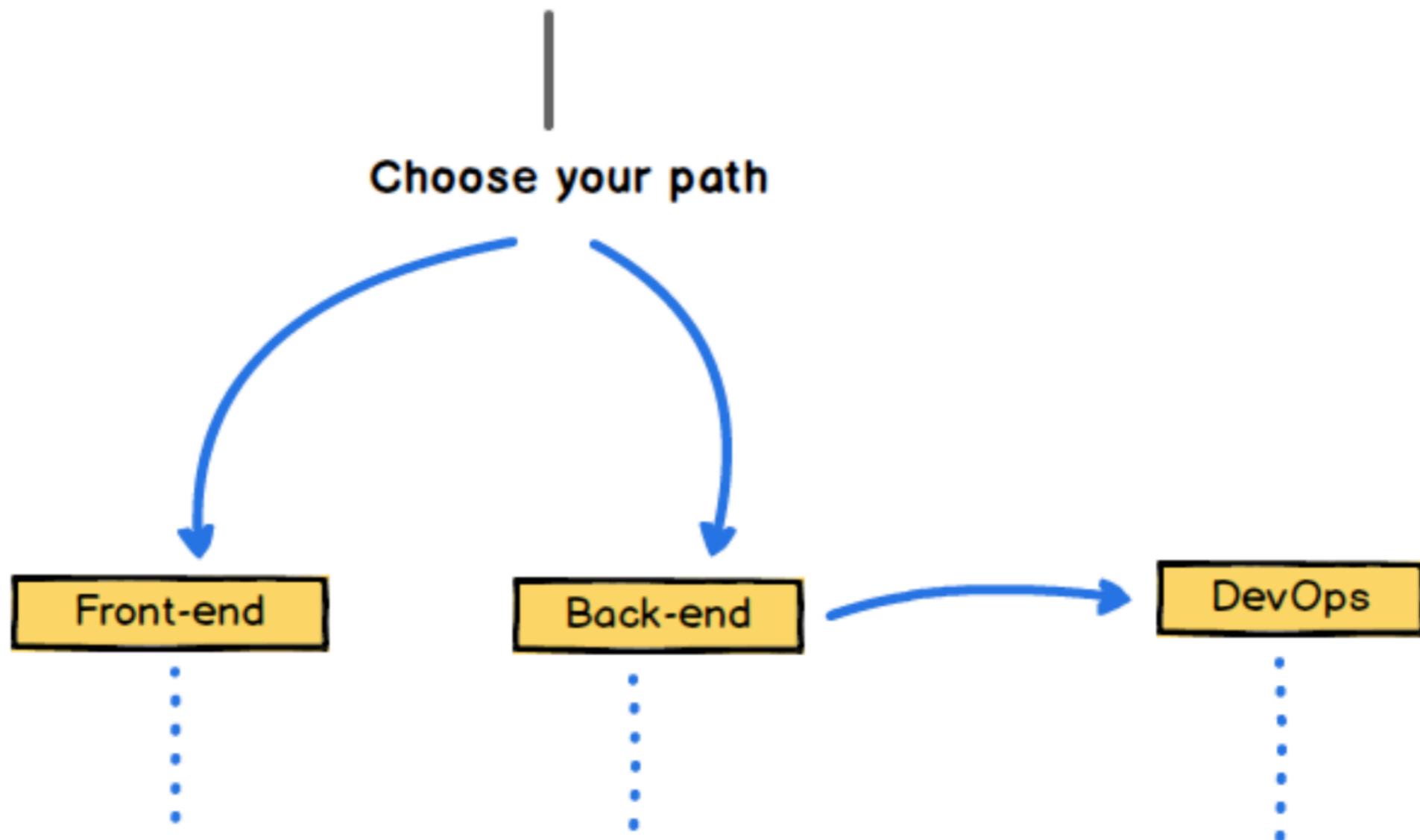


Modern Developer - Road Map

<https://github.com/kamranahmedse/developer-roadmap>

Web Developer in 2018



Front-end + Back-end + DevOps == Full Stack

Front-end Labs

Lab-1.1:
Editing HTML



editor · files · text · tags · browser · reference

Lab-1.2: HTML
Structure



Welcome to the App Bundle Store
The store brings you great apps from well known, up-and-coming publishers at great prices.

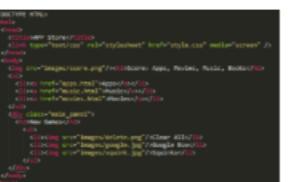
Whether you're interested in getting creative designs, software development or media production - we have it for you. Come and browse our collection of thousands of apps.

Favourites

- [Moshi Tunes](#)
- [Dishy](#)
- [Panda](#)
- [Dolphin](#)
- [Candy](#)
- [Tetris](#)
- [Sudoku](#)
- [Dodgeball](#)

folders · head · title · link · image · references

Lab-2 CSS
Intro



inheritance · classes · fonts · colours · indentation · best practices

Lab-3a Layout



fonts · content · images · classes · folding editor · sidebar · float

Lab-3b
Multicolumn



header · maincontent · navigation · footer · primary · secondary

Lab-4a
Navigation



nav · tab · current · padding · border · menu · li · ul

Lab-4b Case
Study



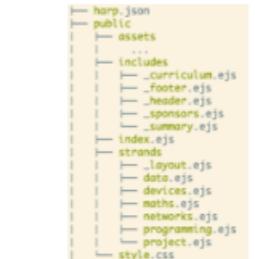
header · main · nav · aside · article · footer · section · figure

Lab-5a Harp &
Surge



Install software tools to serve a web site locally and also to deploy the web site to a public web server.

Lab-5b
Templating



Rebuild the IoT web site from the last lab using templating. This version of the site will aim to significantly reduce the content the author has to manage by reusing "templates" containing common sections.

Lab-5c
Templating &
Nav



Rework the tabbed navigation site from lab 04 to use EJS template

Lab-6a
Semantic UI 1



Rebuild the IoT web site using semantic-ui

Lab-6b
Semantic UI 2



Continue to enhance the IoT web site with additional Semantic-UI styles & components

Back-end Labs

Lab-07a Play Setup

play! 1.5.0, http://www.playframework.org
The new application will be created in c:\
What is the application name? [playdemo]

PLAY VIDEO

Install and test Git + the Play Framework

Lab-07b Playlist 1

PLAY VIDEO

Import, rename and run a new starter project. Extend the project to include a Model.

Lab-08a Playlist-2

Move the playlist model into the database. Prime the database from a YAML file.

Lab-08b Playlist-3

Move the playlists into their own view. Introduce routes for opening the playlist and also deleting individual songs.

Lab-09b Todolist-1

Todo List
Do something
Do something else
Do more stuff
Do that again

Develop a completely new application, using the techniques we have explored so far.

Lab-09a Playlist-4

Introduce forms into a play application to enable the user to create playlists.

Lab-10 Todolist-2

Elements Console Sources Network Timeline Profiles Resources Security
Names
File SQL
IndexedDB
Local Storage
Session Storage
Cookies
SameSite Local Application Cache Cache Storage Service Workers

PLAY VIDEO

Incorporate sessions tracking into the todo app

Lab-11a Playlist Review

Review the Playlist Application

Lab-11b Playlist 5

Incorporate Sessions into the latest Playlist Application

Lab-12a Deploy

Deploy a Play Application to the cloud

Lab-12b Git: Sourcdtree

SourceTree
SourceTree is a Git client provided completely free by Atlassian
I agree to the License agreement
Atlassian account
Favorites
Recent tools
Starting repository
Clone repository
Continue

Install and Configure Sourcetree

Lab-12c Todolist-3

Rebuild Todolist - this time committing to git version control as the app is composed.

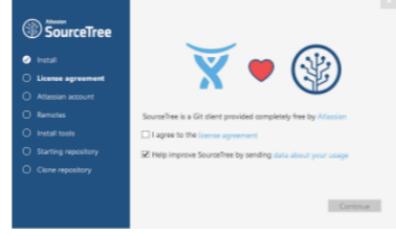
Devops Labs

Lab-12a Deploy



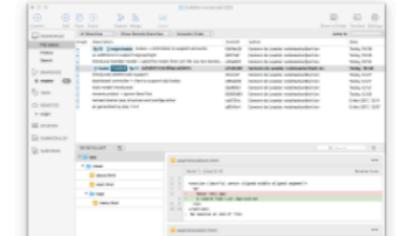
Deploy a Play Application to the cloud

Lab-12b Git: Sourcdtree



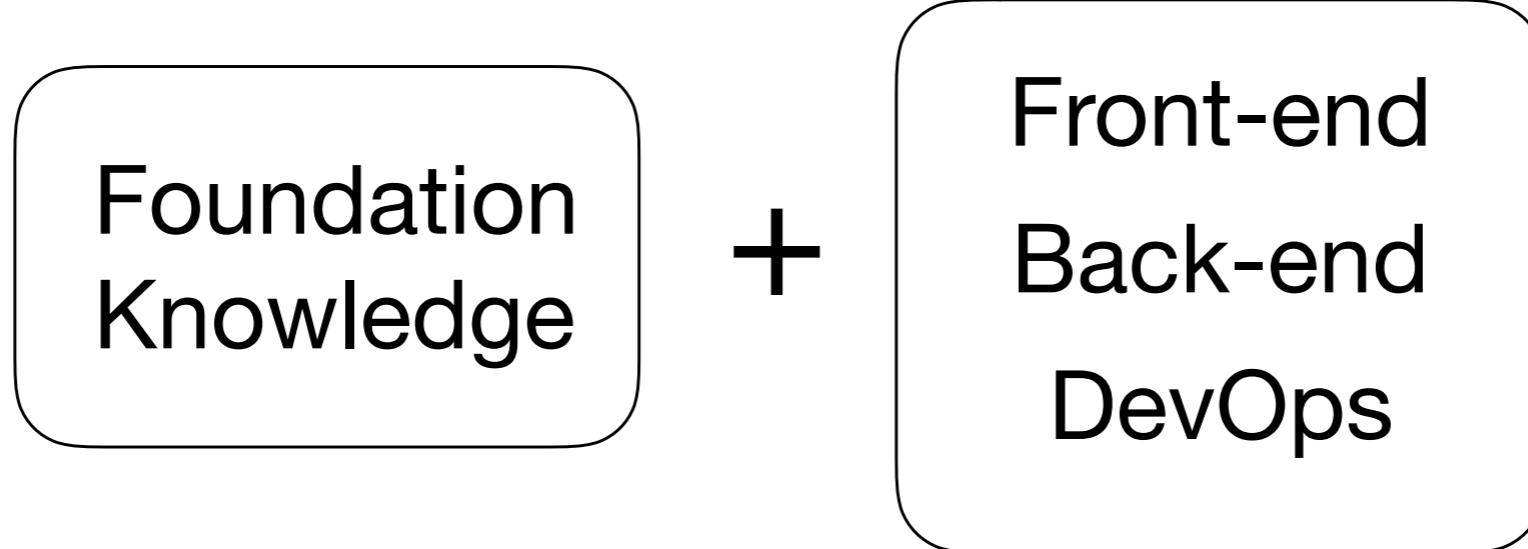
Install and Configure Sourcetree

Lab-12c Todolist-3



Rebuild Todolist - this time committing to git version control as the app is composed.

A roadmap to becoming a web developer in 2017



<https://github.com/kamranahmedse/developer-roadmap>

Foundation Knowledge

Git - Version Control

SSH

HTTP/HTTPS and APIs

Basic Terminal Usage

Learn to Research

Data Structures & Algorithms

Character Encodings

Design Patterns

GitHub

Create a profile. Explore relevant open source projects. Make a habit of looking under the hood of projects you like. Create and contribute to open source projects.

Front-end

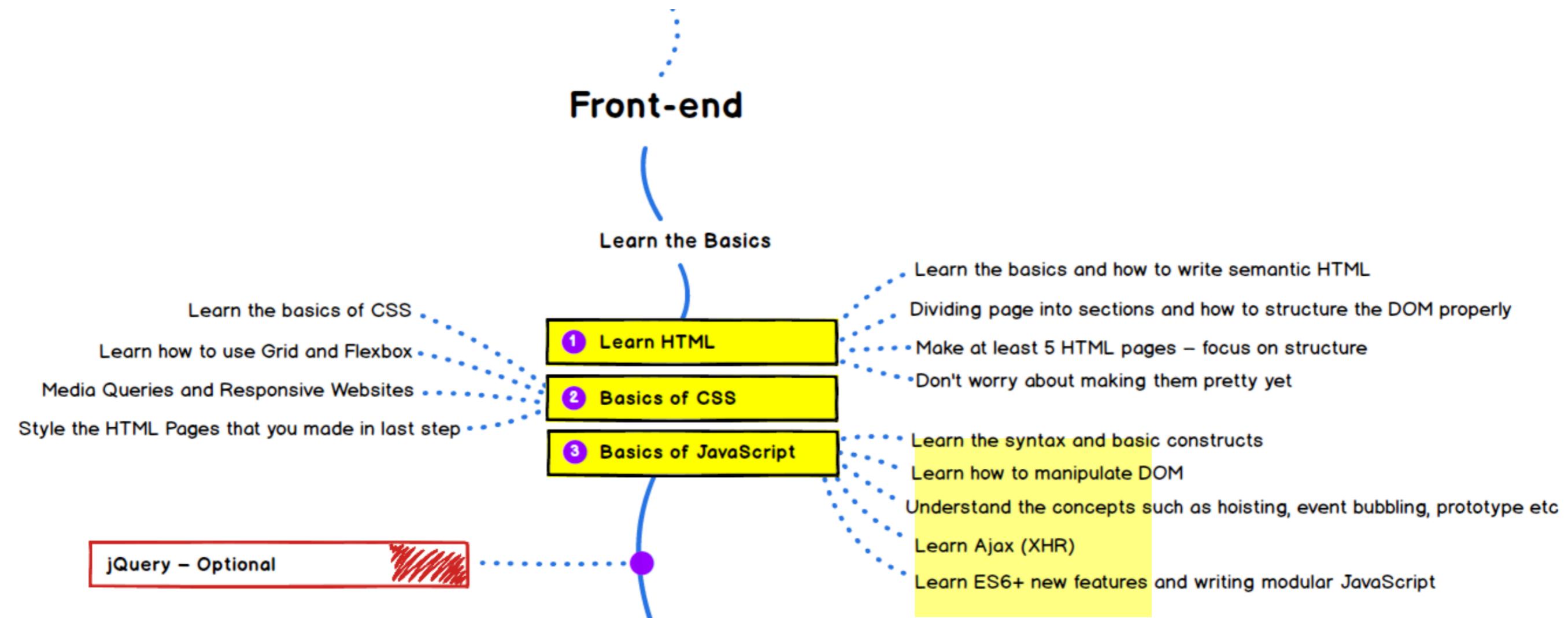
Basics

CSS Frameworks & Processors

JS Client Frameworks + Tools

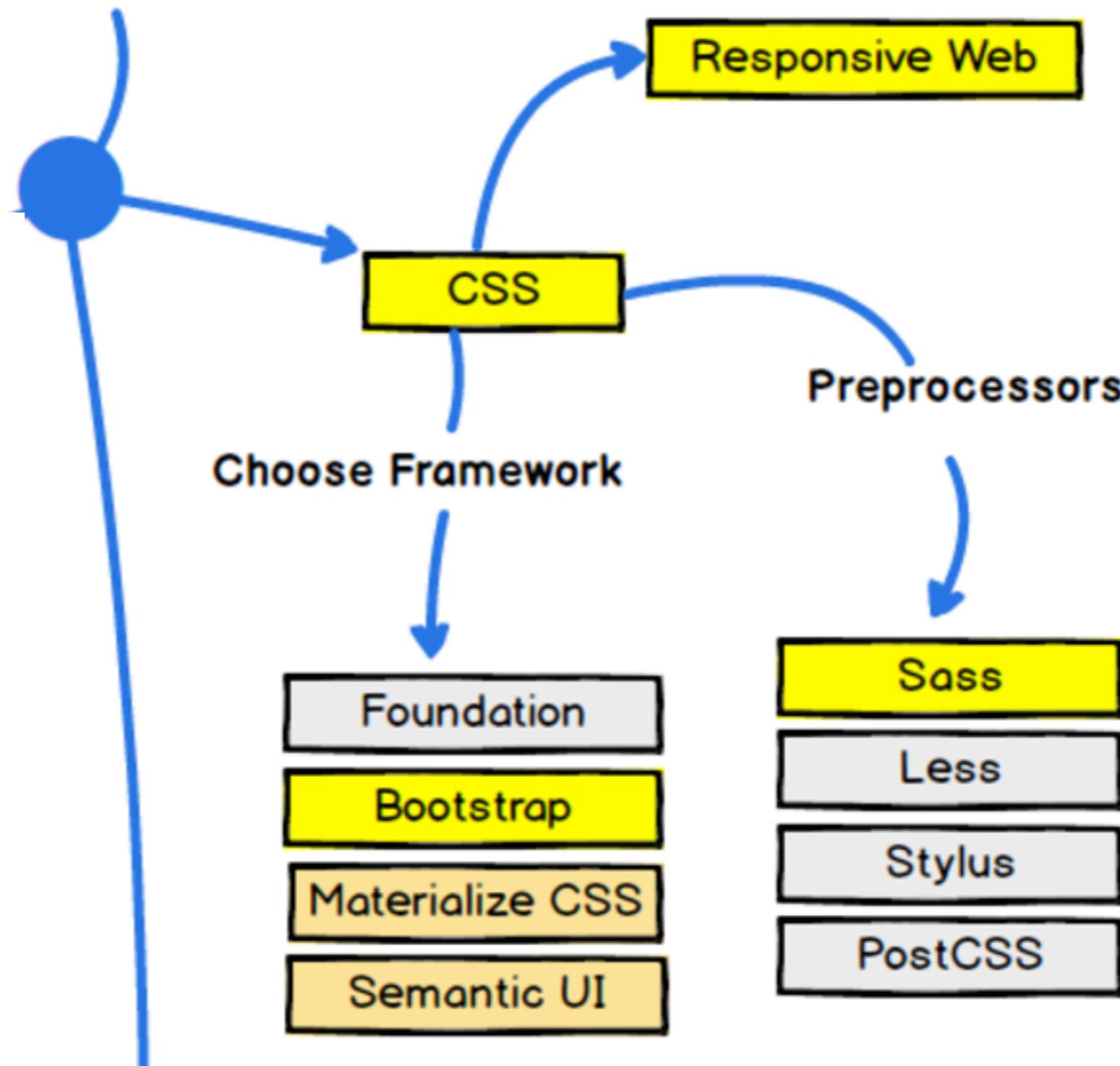
CSS Mastery, Graphics & Visualisation

Front-end: Basics

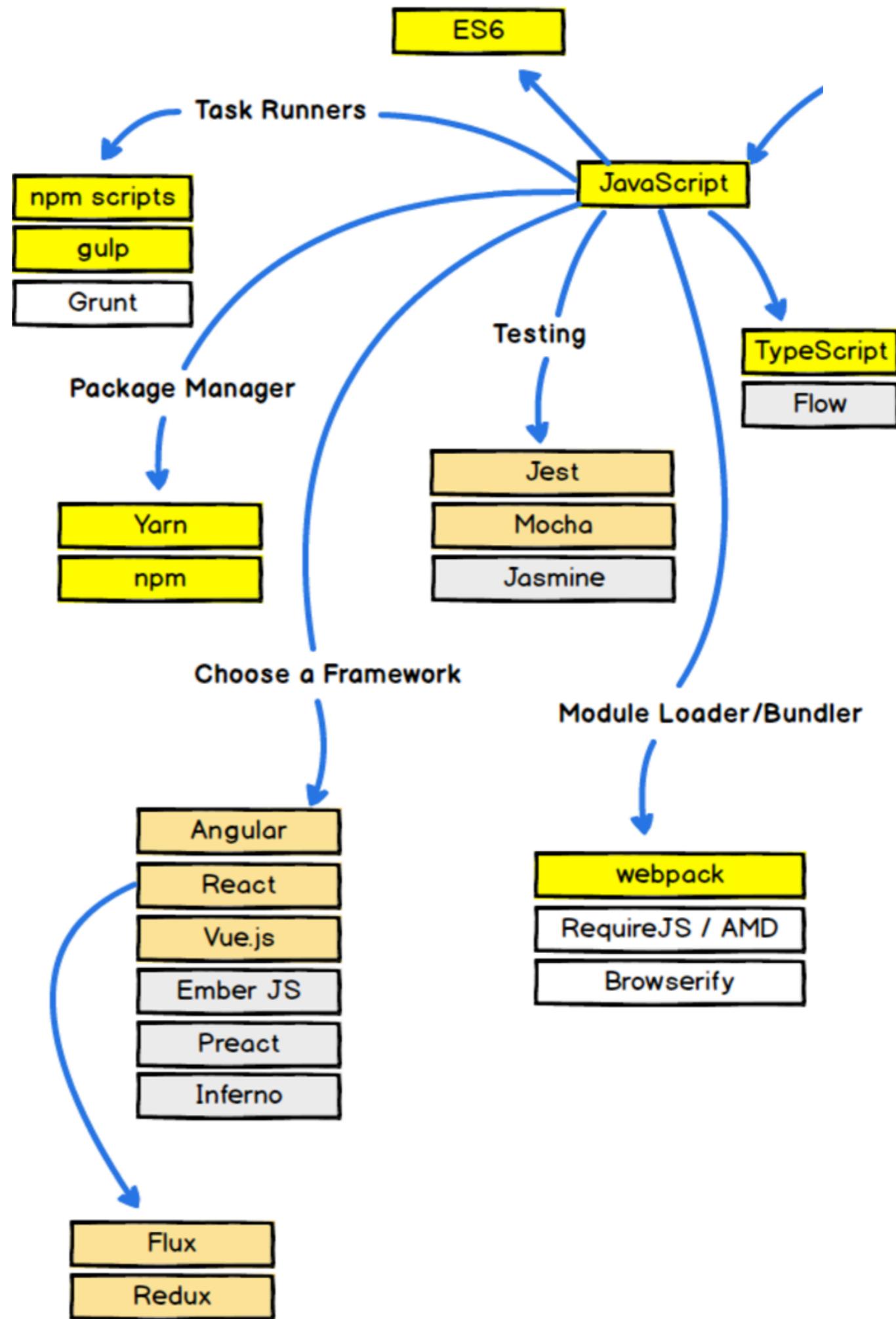


Front-end: CSS Frameworks & Processors

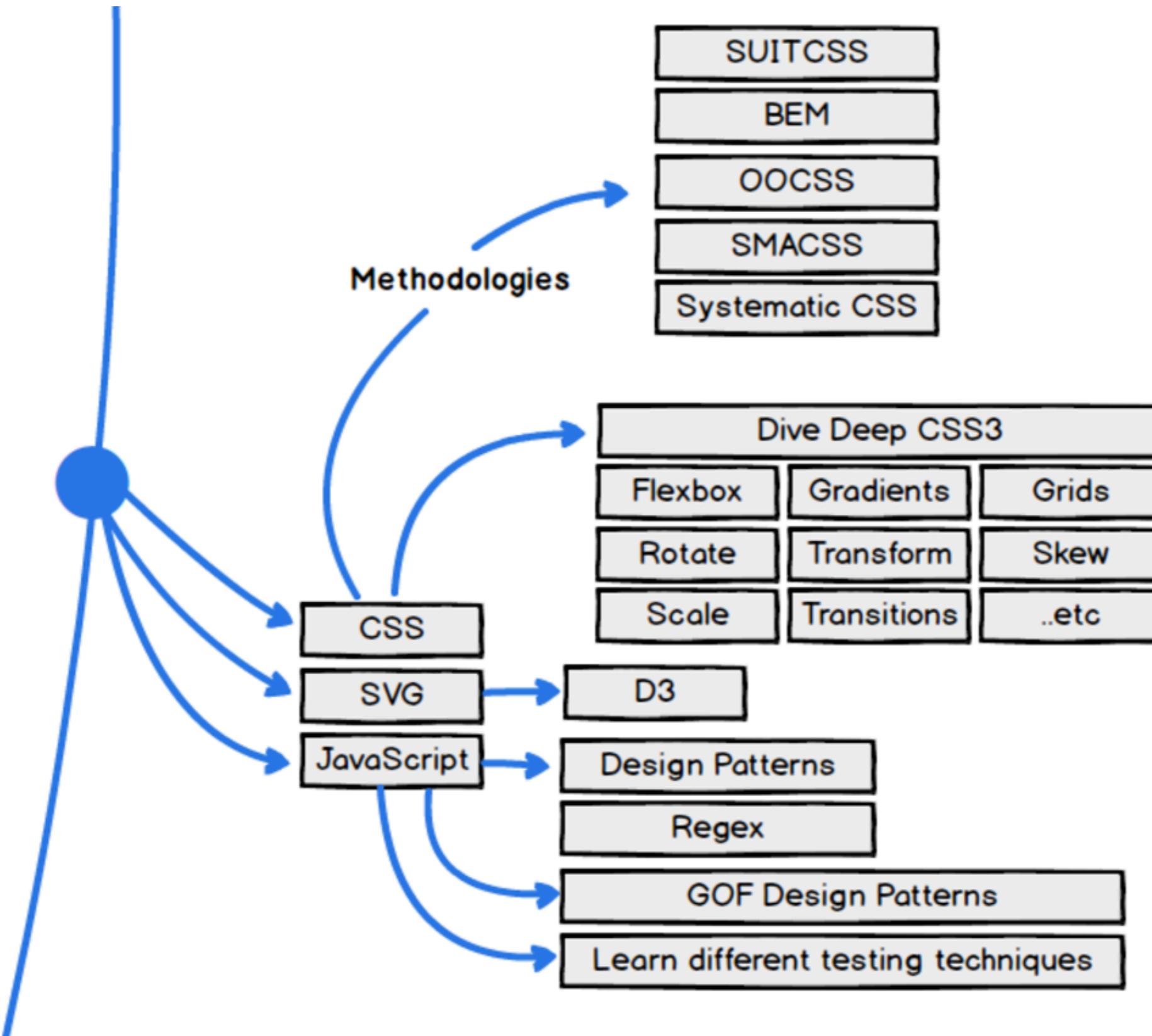
Getting Deeper



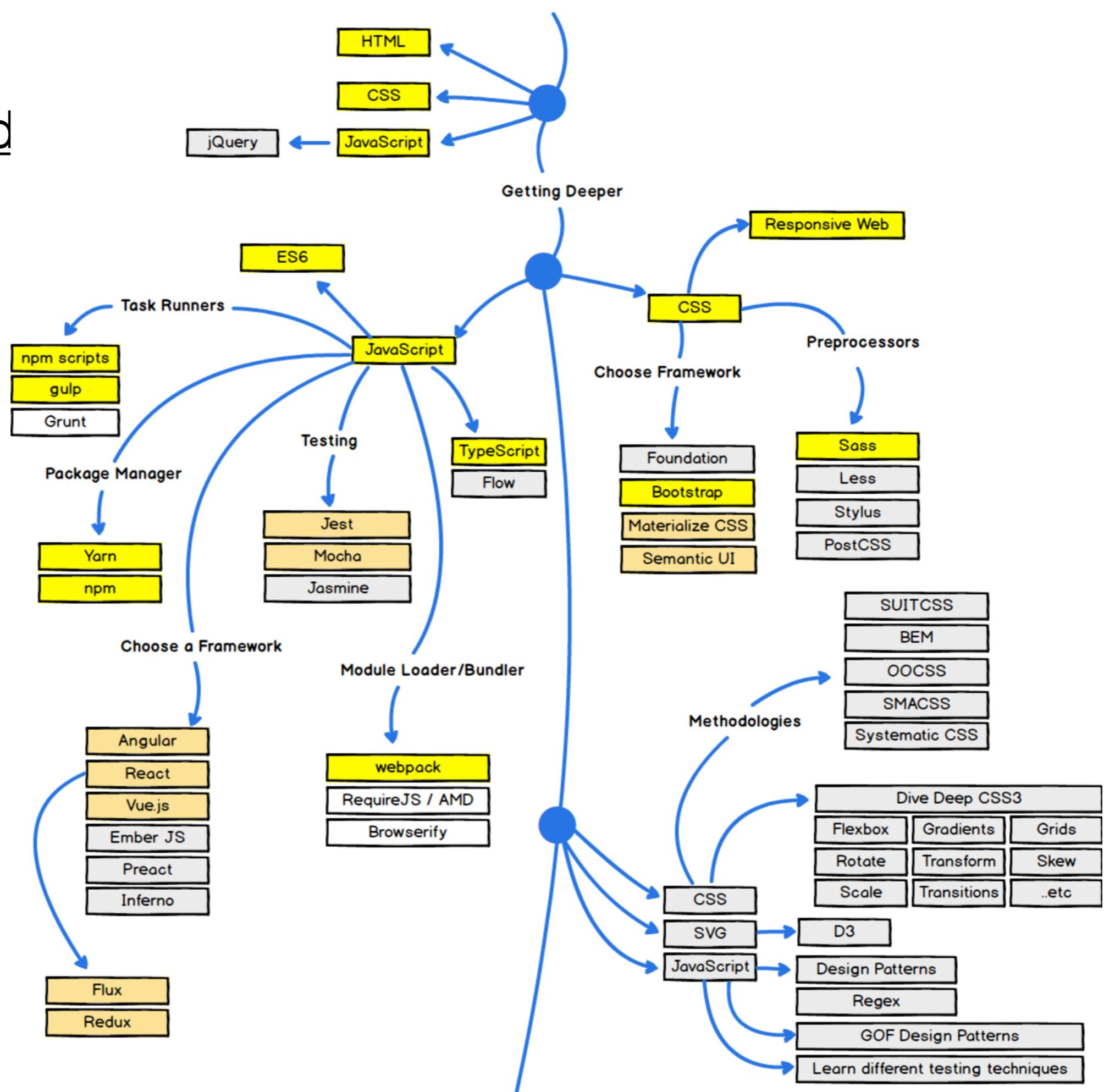
Front-end: JS Client Frameworks, & Tools



Front-end: CSS Mastery, Graphics & Visualisation



Front-end



Back-end

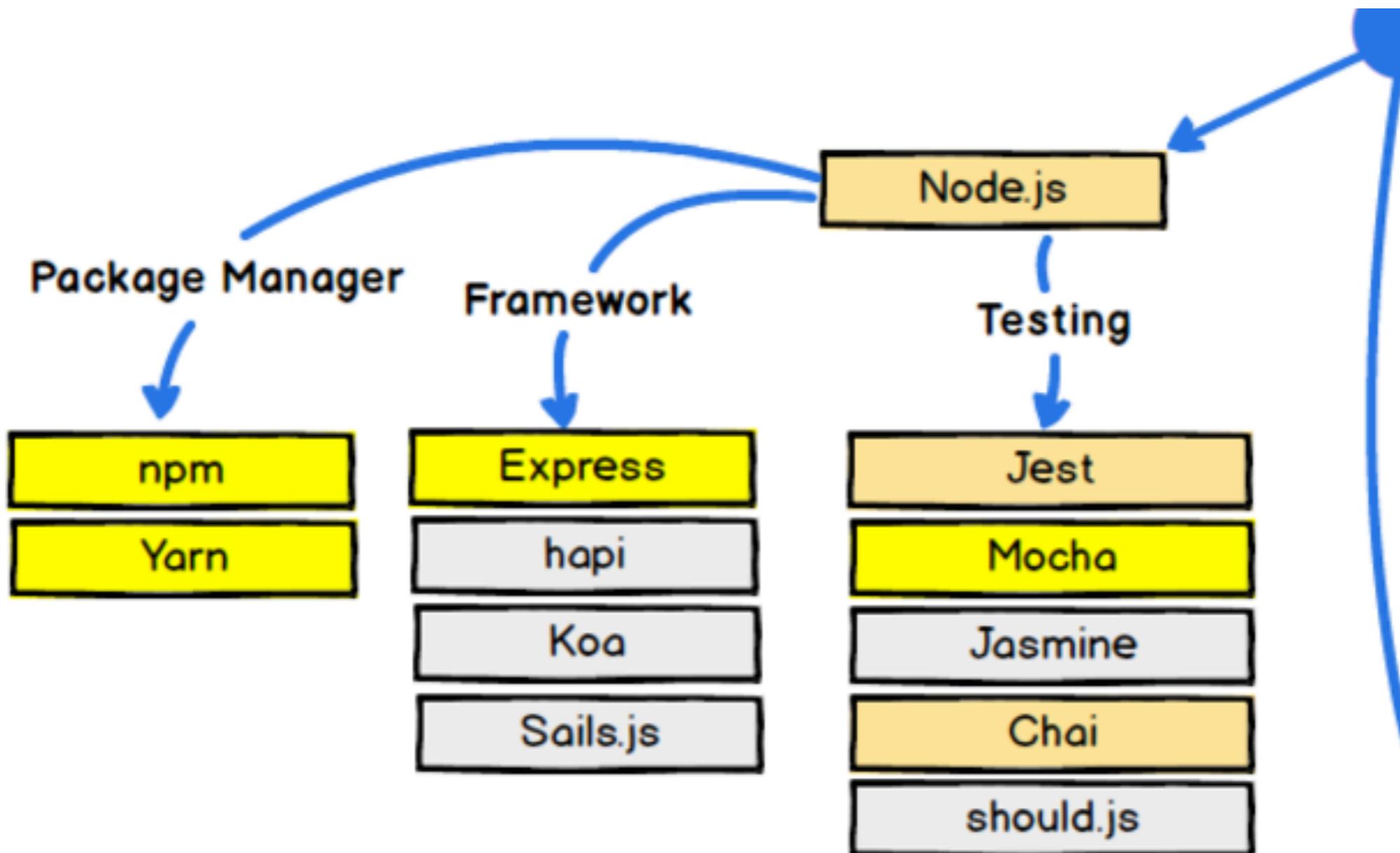
Node.js

Infrastructure + Key Techniques

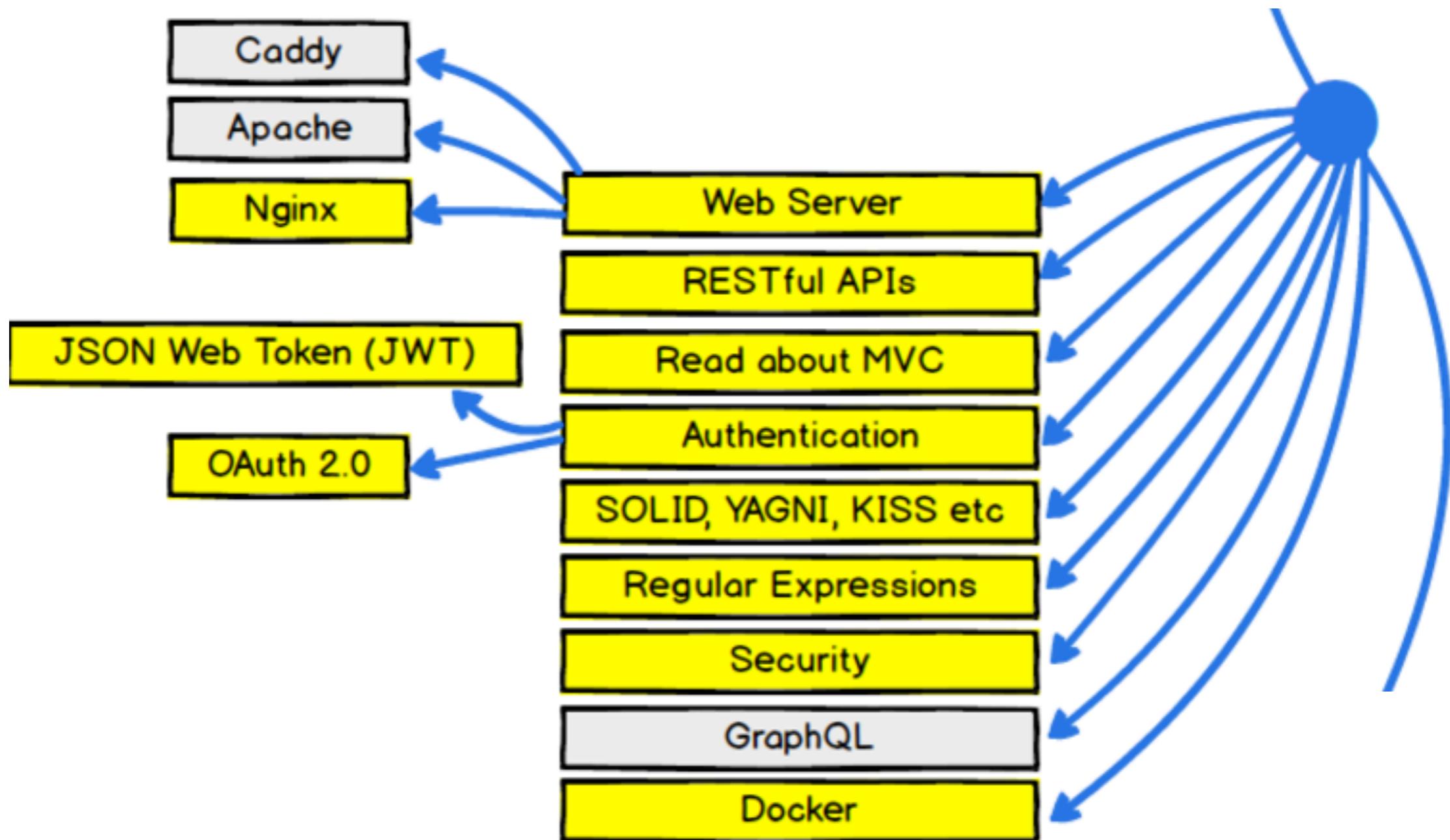
Database

Patterns

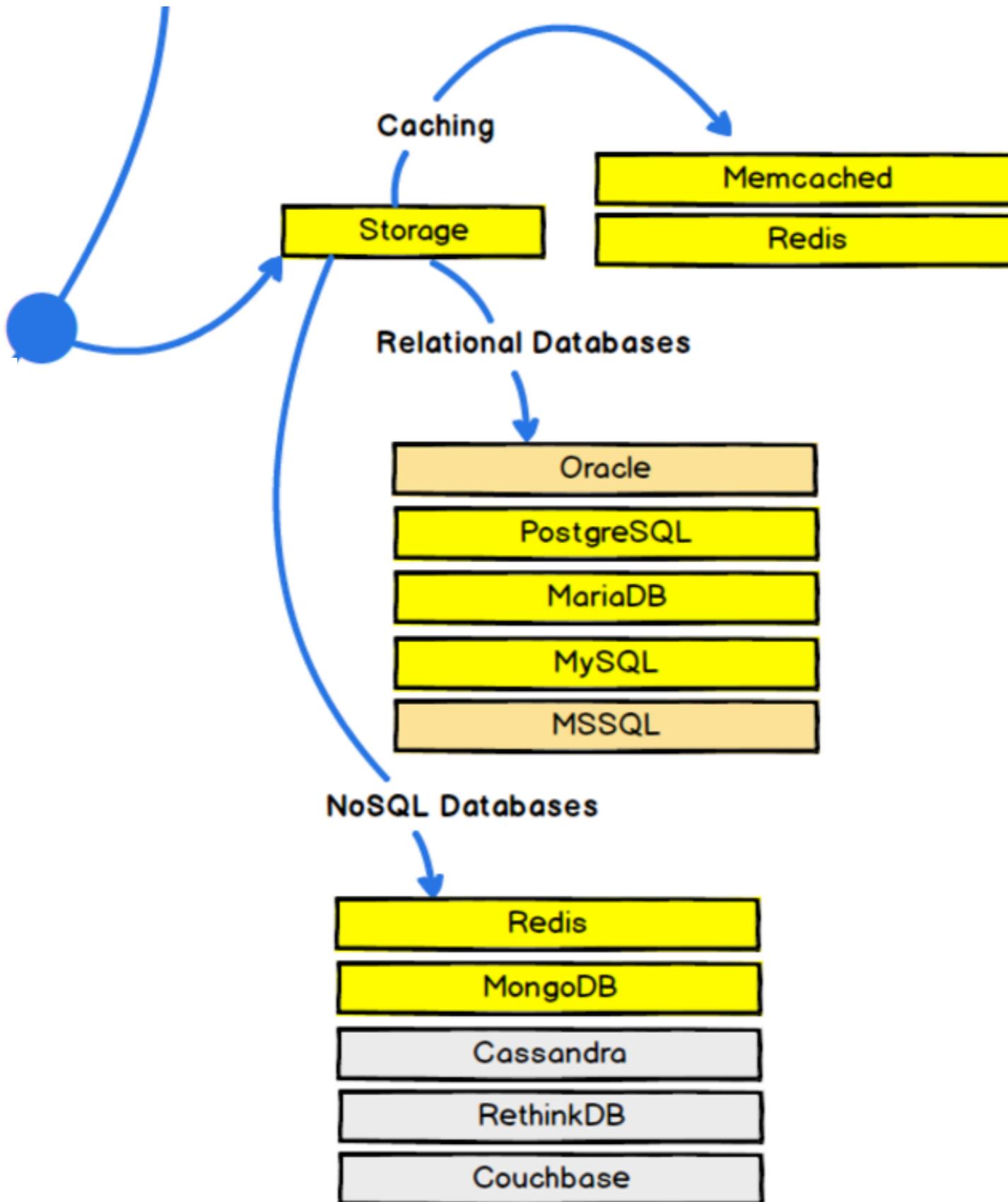
Back-end: Node



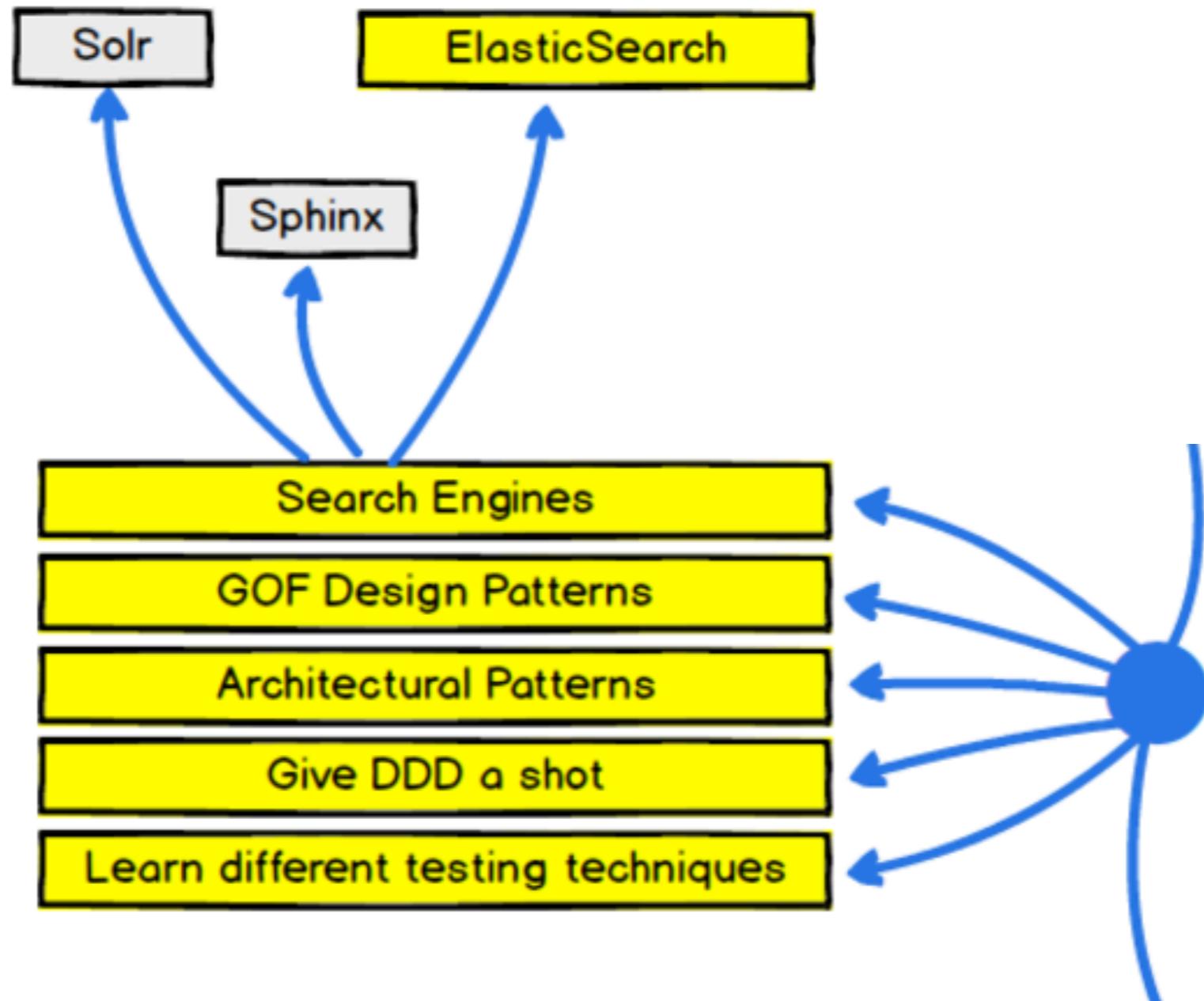
Back-end: Infrastructure + Key Techniques



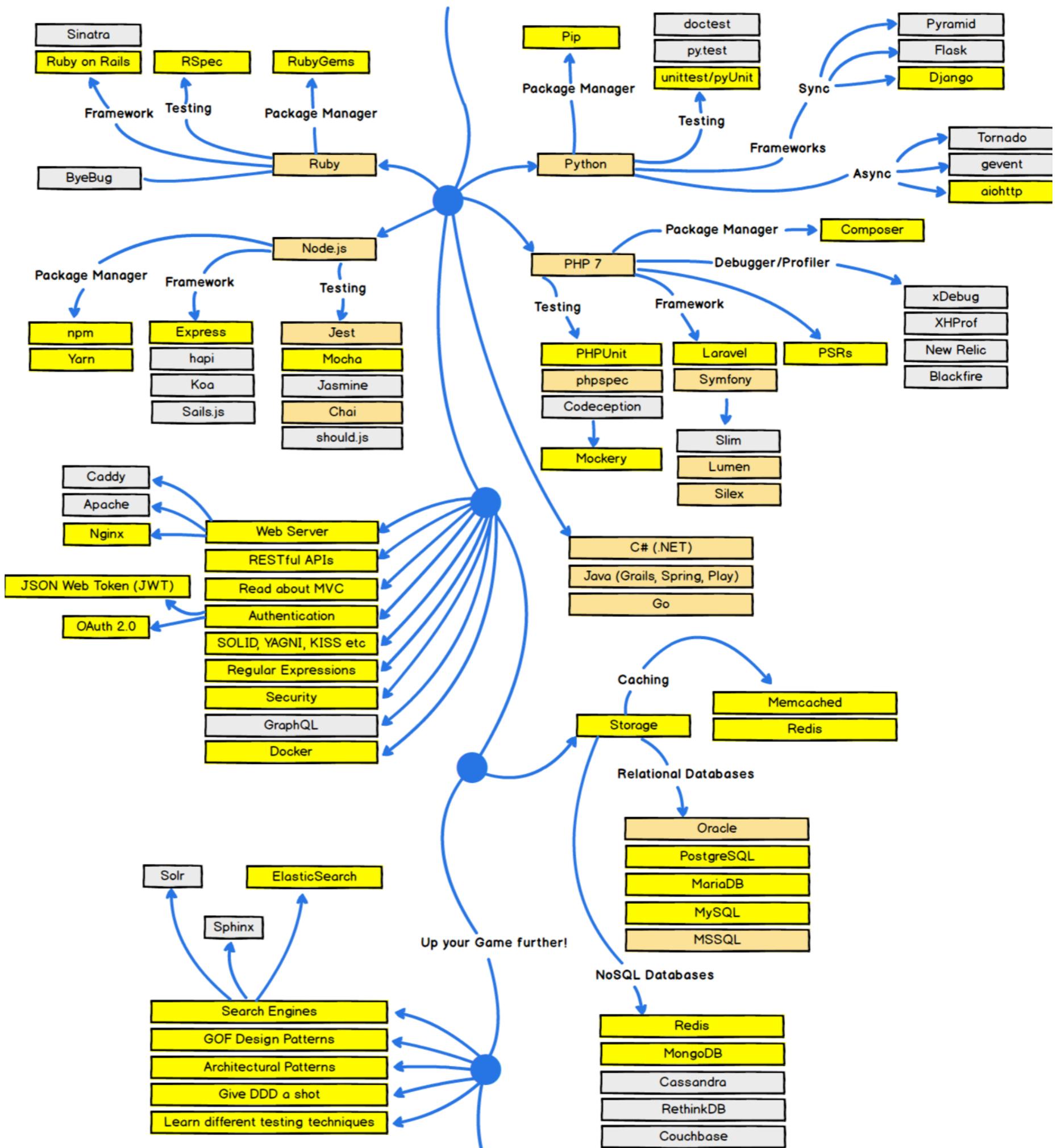
Back-end: Database



Back End: Patterns



Back End:



DevOps

