Better Wrapped

– Spotify Data Revisited –

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The Project |

- Bite-sized Spotify Data & Analytics
  - Spotify Linking
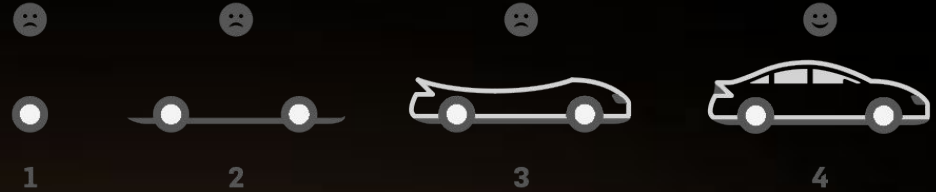 - Graphical-Driven UI
  - Customizable Time Frames

Tools |

- Version Control | Git (**5/5**)

- Database | PostgreSQL (**3/5**)

- Virtualization | Docker (**4/5**)

- Development | VSCode (5/**5**)

- UI | Bootstrap(**3/5**)
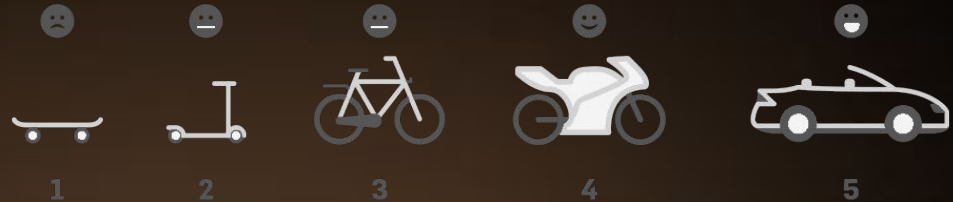
Methodologies |

- Agile
  - Independence of components
  - Parallel development
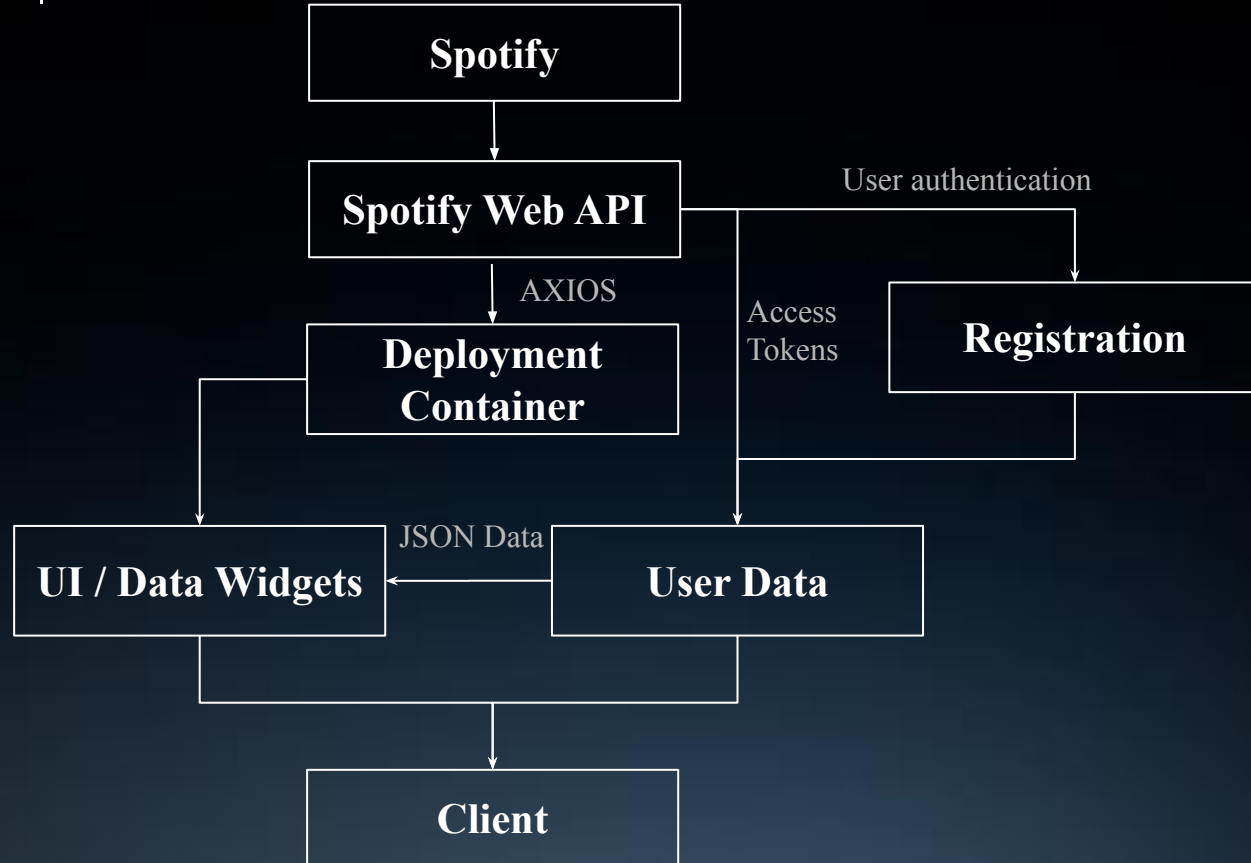- Minimum-viable product
  - Iterative Development

Sequential

Iterative

Architecture |

```
                        ┌─────────────────┐
                        │     Spotify     │
                        └────────┬────────┘
                                 │
                                 ▼
                        ┌─────────────────┐         User authentication
                        │ Spotify Web API │──────────────────────────────┐
                        └────────┬────────┘                              │
                                 │ AXIOS        Access                   ▼
                                 ▼              Tokens          ┌─────────────────┐
                        ┌─────────────────┐                     │  Registration   │
          ┌─────────────│   Deployment    │                     └─────────────────┘
          │             │   Container     │        │                    │
          │             └─────────────────┘        │                    │
          │                                        │                    │
          ▼                          JSON Data     ▼                    │
   ┌──────────────────┐           ┌─────────────────┐                  │
   │ UI / Data Widgets │◄──────────│    User Data    │◄─────────────────┘
   └──────────────────┘           └─────────────────┘
          │                                │
          └────────────────┬───────────────┘
                           ▼
                  ┌─────────────────┐
                  │     Client      │
                  └─────────────────┘
```

Challenges |

- Authorization and Authentication

- Determining when to retrieve json file of each all. At page loading or get all info beforehand?

- API limitations, couldn't get all the cool info we wanted

- Understanding documentation

Demo |