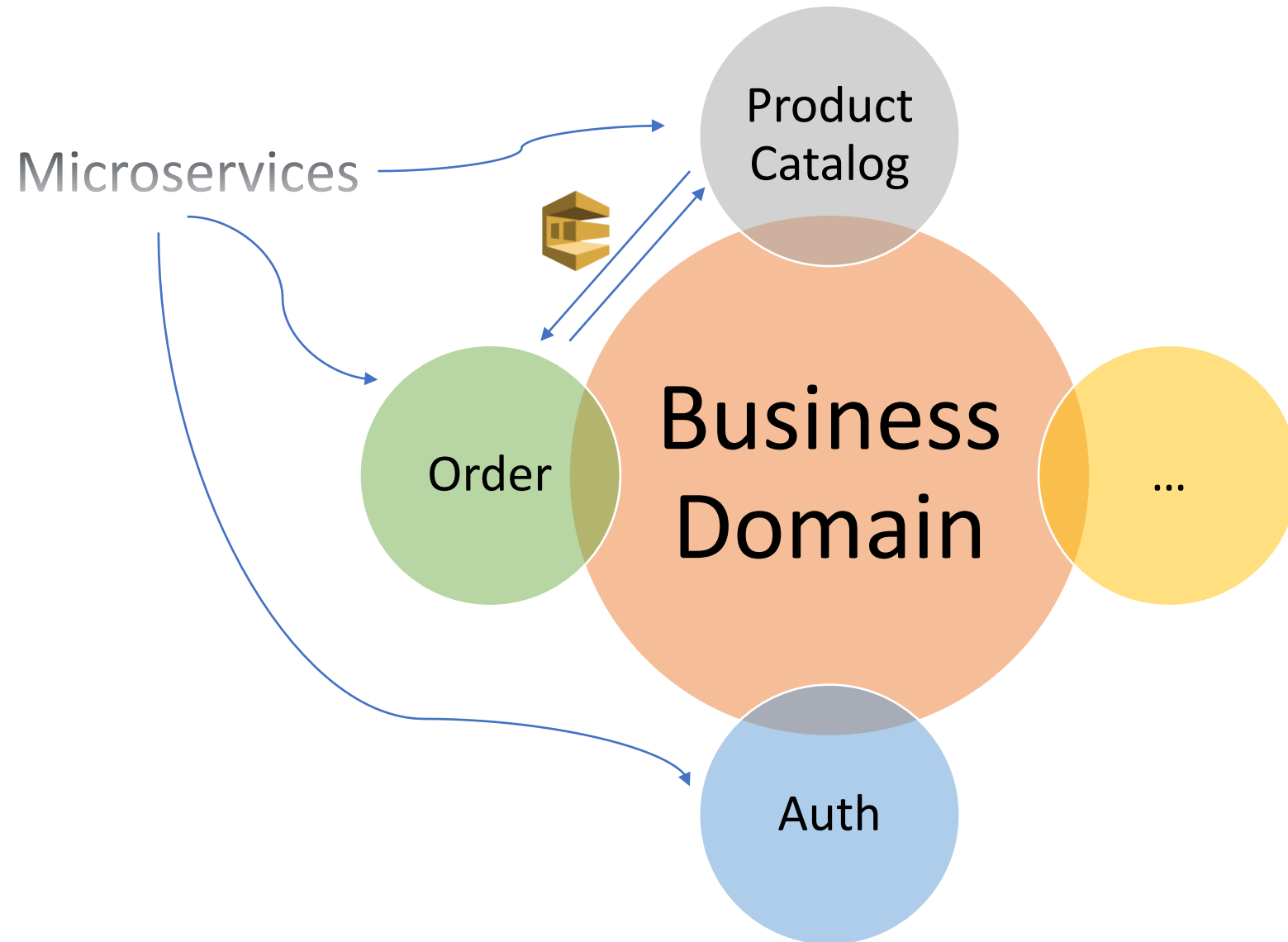


High Level Architecture



Outputs

- A high-level solution diagram for the components. [Done]
- Entity relationship diagram for the database. [To be faster and save time, I only have one entity: Product and keep data of products list in memory. Can extend to MySQL or MongoDB if necessary]
- Example implementation for some business workflows of the backend services. [I implement one of intended microservices: Product service. User can get the list of products, search, filter, sort and paging. Moreover user can create, update and delete a product]
- A Readme file explains: [Done] README.md in the repository
 - Brief explanation for the code structure.
 - All the required steps in order to get the applications run on local computer.
 - CURL commands to verify the APIs.
- You should commit your solution to a publicly accessible source control site (eg. Github or GitLab). [Done] [the Github link](#)
- Please complete your working solution within 7 days of receiving this challenge. [I spent 8-12 hours to complete]

Extra outputs

- APIs document with Swagger
- Unit tests with Mocha
- Demonstrate different styles of microservices communication
 - Call APIs of Auth service. (services/auth/auth.js)
 - Send message with Amazon SQS to Order service. (services/order/order.js)
- Classes and inheritance (Architectural/OOP)
- Functional programming (Closure)