Todo.Enterprise

A demonstration of microservice architecture

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2024

# 1. Project Introduction

### Mission and Values

### Layman Summary

### Destinations users and summary of use cases

### Functionalities

### Time plan, milestones, and Gantt chart

### Future directions

### References

# 2. Requisites

### Contractual features

### Environment requirements to allow the software to work

### API and Interactions with other software components

### Standard compliancy

### Quality assurance requirements

### Deliverables and timeline

# 3. Architecture

### Data model

### Business logic

### Interface with users and other systems

### TODO

# 4. UML Diagrams

## 4.1 Sequence Diagrams

## 4.2 Use Case Diagrams

### Use Cases

### Sequence Diagrams

### Class Diagram

# 5. Code Organization

### Logical Architecture of the project

The use of Domain-Driven Design, Clean Architecture, and Passive View (MVC) allows for greater and more comprehensive code coverage. This project employs automated unit-, integration-, and acceptance-testing. Frontend projects communicate with a single backend project that utilizes the API Gateway to manage various microservices to fulfill client requests.

### Installation procedure

### Modularity

Context boundaries should be kept as small as possible and calls between various microservices are handled through the API Gateway.

### Design pattern(s) Used

S.O.L.I.D., C.Q.R.S., and Meditator,

### File structure, Copyright, and License

### Coding Workflow and Version Control

### Testing Procedures and Quality Assurance

### Coding style and conventions

# 6. Sustainability

### Growth Analysis

### Maintainability

### Distribution and Packing

### Bug, issue solving and support

### Brand and copyright protection

# 7. Developer Manual

### Developer Community

### Code organization

### Development Workflow

### Coding Standards, Syntax Convention, Golden Rules, Test Driven Development

### Continuous Integration

### Quality Assurance and Testing

### In-Code Documentation

### Bug Report

### Licensing

### Suggested Readings

# 8. User Manual

### Use Case for End Users

### Functionalities available

### API or Interface description

### How to use provided functionalities by scenario

# 9. Tutorial

### Installation and Test

### Run a provided demo, example, or functional test

### Extend Existing Example

# 10. History Page

### Project History

### Contribution Intensity

### Contributors Timeline