|  |
| --- |
| **OC Pizza Company**  **Information Management System**  Technical Design file  Version 1.0 |
| **Author**  Scott Bolin  *Engineer* |

Table of Contents

1 -Versions 3

2 -Introduction 4

2.1 -Purpose of document 4

2.2 -References 4

3 -Technical Architecture 5

3.1 -General components 5

3.1.1 -Package A 5

3.1.1.1 -Component X 5

3.1.1.2 -Component Y 5

3.1.2 -Package B 5

3.1.2.1 -Component Z 5

3.2 -Web Application 5

3.2.1 -Components X 5

3.2.2 -Components Y and Z 5

3.3 - XXX Application... 5

4 -Roll-Out Architecture 6

4.1 -Database Server 6

4.2 - XXX Server 6

5 -Software Architecture 7

5.1 -General principles 7

5.1.1 -Layers 7

5.1.2 -Modules 7

5.1.3 -Source structure 7

5.2 -Web Application 8

5.3 - Xxx Application 8

6 -Specific points 9

6.1 -Log management 9

6.2 -Configuration folders 9

6.2.1 -Web application 9

6.2.1.1 -Datasources 9

6.2.1.2 - Xxx yyy folder 9

6.2.2 - Xxx Application 9

6.3 -Resources 9

6.4 -Development environment 9

6.5 -Packaging procedure / delivery 9

6.6 -XXX 9

7 -Glossary 10

# Versions

|  |  |  |  |
| --- | --- | --- | --- |
| Author | Date | Description | Version |
| SB | 14/09/2020 | Document creation | 1.0 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Introduction

## Document purpose

This document outlines the technical details for the OC Pizza Information Management system.

This document provides the technical details used in developing the OC Pizza Company Information Management System Application.

The elements of the present folder ensue:

* from …
* ...

## References

For further information, please refer also to the following elements:

1. **FDF - Xxx** : Functional design folder for the application
2. …

# Technical Architecture

## General components

### Package A

#### Component X

Description and role/objective

#### Component Y

### Package B

#### Component Z

## Web application

The software stack is as follows:

* **J2EE** application (JDK version 1.8) / **PHP** (version) / **Python**…
* Application server **JOnAS 5.2.4 / ...**

UML Component Diagram

### Components X

Description and role/objective

### Components Y and Z

## XXX... application

# Roll-Out Architecture

UML Roll-out diagram

Explanation/comments if needed

## Database Server

Description

Technical specifications (ex: Linux server Debian Jessie + PostgreSQL 9.6…)

Important information/specific points

## XXX Server

...

# Software architecture

## General principles

Project sources and versions are managed by **Git*,*** dependencies and packaging by **Apache Maven/Grunt/…**

...

### Layers

Application architecture is as follows:

* a **business** layer: responsible for the business logic of the component
* a **model** layer: implementation of the business objects model
* …
* …
* ...

### Modules

Ex: Maven modules in the case of a multi-module application…

### Source structure

The logic for the structure of the project directories is as follows:

* the source directories are created so as to respect the Maven philosophy (i.e. “convention over configuration”)

root  
 ├─ *pom.xml*  
 ├─ <moduleX>  
 │ ├─ *pom.xml*  
 │ └─ src  
 │ ├─ main  
 │ │ ├─ java  
 │ │ └─ resources  
 │ └─ test  
 │ ├─ java  
 │ └─ resources  
 ├─ <moduleY>  
 │ ├─ *pom.xml*  
 │ └─ src  
 │ ├─ main  
 │ │ ├─ java  
 │ │ └─ resources  
 │ └─ test  
 │ ├─ java  
 │ └─ resources  
 └─ src  
 └─ lib

* ...

## Web Application

…

If needed, UML component diagram to show the various modules and their interdependencies

## Xxx Application

…

# Specific points

## Log Management

…

## Configuration folders

### Web application

...

#### Data sources

...

#### Xxx.yyy folder

...

### Xxx Application

...

## Resources

...

## Development environment

## Packaging / delivery procedure

## XXX

…

# Glossary

|  |  |
| --- | --- |
|  |  |
|  |  |