A Real Time and Interactive Dashboard in Tourism Industry

Design Document

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# 1. Document History

|  |  |  |  |  |  |
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| Project-DesignDocument\_v1.docx | Draft | 7, July 2019 | ZJY, LYW,  AJP | ZJY, LYW | ZJY,  LYW |
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|  |  |  |  |  |  |

ZJY = Junyu Zhou

LYW = Yawei Li

AJP = Dr. Pree Thiengburanathum

# 2. Introduction

## 2.1 purpose

The purpose of the software design document (SDD) is to design the detailed structure of the system according with the software requirement specification (SRS). It intended to help stakeholders in the project understands the detailed design of the system using class diagrams, sequence diagrams, and user interface designs.

## 2.2 Intended Audience and Reading Suggestions

**2.2.1 Intended Audience**

This software requirement specification will benefit to audiences as followed:

**Development Team**

The software requirement specification will help everyone in developer team has the same understanding or overall scope of the project.

The software requirement specification will help the developer to verify and validate the software product that match with the requirements in this document or not.

The software requirement specification will help developers to develop project more efficiency.

The software requirement specification will be required when some changing occur. Developer will know where get effect and know where to change.

**User**

The software requirement specification will help the user to know the process of the software product.

User can check that the requirements in software requirement specification match with their requirement or not.

The software requirement specification can help the user to discuss with developers easier.

## 2.3 Project Scope

A real time and interactive dashboard in tourism industry is a web-based application. It is for decision maker to do the easy statistics of mess data in a real time way. For decision maker to manage and keep tracks all the data.

## 2.4 Acronyms

SRS = Software Requirement Specification SDD Software Design Document  
UI = User Interface

DD = Development Diagram

# 3. System Architecture

图片包含 屏幕截图

描述已自动生成

The system consists of clients and server. For the client, there is a part, the web application. The web application that used by users will send and receive data from web-server in JSON format. The server itself store and retrieve data from the database.

We are using pusher components, which could transfer the data two-way duplex.

# 4. ER Diagram

图片包含 屏幕截图

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# 5. Detail Design

## 5.1 Development Diagram

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# 6. User Interface Design

## Web Application UI

## W-UI01-Login

图片包含 草, 天空, 户外, 田野

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## W-UI02-View Summary

图片包含 草, 天空

描述已自动生成

## W-UI03-View Comments

图片包含 草, 天空, 屏幕截图, 户外

描述已自动生成

## W-UI04-Logout

图片包含 天空, 草, 户外, 田野

描述已自动生成