Software Requirements Specification

Version 1.5

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All Types Of Tax and Business License

Revenue Management

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**Revision History**

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| |  |  |  |  | | --- | --- | --- | --- | | **Name** | **Date** | **Reason For Changes** | **Version** | | SRS | 8/8/2018 | Features should have been more elaborate | 1.0 | | SRS | 23/09/2018 | use case was added. | 1.1 | |

# **1. Introduction**

## **1.1 Purpose**

This document is intended to describe accurately the capabilities that the software product “All Types of Tax and Business License Revenue Management” should provide to its end-users and also to specify all the non-functional requirements that the application should implement, regarding subjects like: performance, availability, reliability, security, etc.

## **1.2 Document Conventions**

## 

## This document uses the following conventions.

|  |  |
| --- | --- |
| DB | Database |
| ER | Entity Relationship |
| KCC | Khulna City Corporation |

## **1.3 Intended Audience and Reading Suggestions**

This document is intended for developers, KCC, organization owners, general people of Khulna , testers and documentation writers. To understand the paper properly, one have to go through the sections one by one, beginning with the overview section.

## 

## **1.4 Product Scope**

The purpose of this software is to collect the taxes from various organizations such as office,restaurants,house ,hotel etc. of Khulna which will help the KCC.

## **1.5 References**

● <https://www.tutorialspoint.com/software_engineering/software_requirements.htm>

# **2. Overall Description**

## **2.1 Product Perspective**

## A distributed Tax and Business License Revenue Management database system stores the following information.

1) Business organizations details: (for KCC authority)

i) Business starting date

ii) License issues details

iii) Business types

iv)Business owners’ name, address and phone number.

v) Tax information

vi) Revenue details

2) Billing details: (for business organization authority)

i) Customers billing details

ii) Revenue Statement

iii) Tax statement

3) Cash memo: (for business organization authority and customers)

i) Customers details

ii) Date of booking/buying

## **2.2 Product Functions**

Some main functions of the product are:

1) Collecting tax informations for tax authority

2) Making easy licenses system for business authority

3) Keeping track on revenue and tax for business authority

4) Making cash memo for customers

5) Review submission among them

6) Software feedback for next update

## **2.3 User Classes and Characteristics**

There will be mainly three classes.Admin,Organization owners and general people. Organization owners will apply for license to the admin and administration panel will approve or reject. They will give a license number. Owners will make bill receipts in online and they will mention their license number and the taxes so KCC will be available to collect the taxes.

## **2.4 Operating Environment**

## Operating environment for the airline management system is as listed below.

● relational database

● Model, view, controller system

● Operating system : any

● database : mysql

● platform : C#, javascript,html.css

## **2.5 Design and Implementation Constraints**

1) SQL commands for above queries/applications

2) The global schema, fragmentation schema, and allocation schema.

3) Implement the database at least using a centralized database management system.

## **2.6 User Documentation**

To use the product properly, there will be various components to help the user. Some of them are:

● User Manual: Will be attached

● Online Help: There will be a report option and an FAQ in the product.

● Tutorial Link: A tutorial will be uploaded for the user in the website.

## **2.7 Assumptions and Dependencies**

1) In bill making there may occur some problems.

2) Database server errors may occur

3) User may give false feedback.

# 

# 

# **3. External Interface Requirements**

## **3.1 User Interfaces** Front- end software: html,css, bootstrap,javascript

Back-end software:C#,mysql

## **3.2 Hardware Interfaces**

## A browser which supports CGI, HTML & Javascript.

## **3.3 Software Interfaces**

|  |  |
| --- | --- |
| **Software used** | **Description** |
| Operating System | We have chosen Windows operating system for its best support and user-friendliness. |
| Database | To save the flight records, passengers records we have chosen mysql database. |
| asp.net | To implement the project we have chosen C#, js language for its more interactive support. |

## 

## **3.4 Communications Interfaces**

The project will support all types of web browser.We are using metro UI for the license,billing forms etc.

# **4. System Features**

## **System Feature**

1)There will be admin and administration panel who will approve the request of license.

2)Organization owners will make bill in online where they will give their license number to help the KCC to understand the tax they need.

# **5. Safety Requirements**

If there is extensive damage to a wide portion of the database due to a disk crash. Therefore, administration panel should be careful in this case.

## **Security Requirements**

Security systems need database storage just like many other applications. However, the requirements of the security means that administration panel must work carefully.

**6. Use case**

**Use case of All types of Tax and Business License, Revenue Management :**

****

**Figure : Use case of All types of Tax and Business License, Revenue Management**

**Use case Descriptions:**

**6.1.1 Approve/Decline License no. request.**

|  |  |
| --- | --- |
| **Use Case Name:** | Approve/Decline License no. request |
| **Brief Description:** | This operation permits Admin to approve the license request from the organization owners |
| **Priority** | Essential |
| **Trigger** | Admin choose to create a new entry. |
| **Precondition** | Admin must be connected to the Internet  and on the Entries page. |
| **Basic Path** | 1. Admin click on approval request or decline the license no.  2.The server send the result to the owner. |
| **Alternate Path** | N/A |
| **Post condition** | A record is created in the Authority\_action of  the Authority\_action Database |
| **Exception Path** | 1. If the connection is terminated before the  form is submitted, the fields are cleared  and the Server is returned  to the wait state. |

**6.1.2 Receive tax with License no.**

|  |  |
| --- | --- |
| **Use Case Name:** | Receive tax with License no. |
| **Brief Description:** | This operation permits Admin to receive tax with license no. |
| **Priority** | Essential |
| **Trigger** | Admin choose to create a new entry. |
| **Precondition** | Admin must be connected to the Internet  and on the Entries page. |
| **Basic Path** | 1.Admin click the receive tax button and the tax go to the bikash or DBBL no. admin provided.  2.Admin will click the ok button to confirm they have received the tax. |
| **Alternate Path** | N/A |
| **Post condition** | A record is created in the Authority\_action Table of the Authority\_action Database |
| **Exception Path** | 1. If the connection is terminated before the  form is submitted, the fields are cleared  and the Server is returned  to the wait state. |

**6.1.3 Request License no.**

|  |  |
| --- | --- |
| **Use Case Name:** | Receive License no. |
| **Brief Description:** | This operation permits Organizer owner to request the admin for the License no. |
| **Priority** | Essential |
| **Trigger** | Organizer owner choose to create a new entry. |
| **Precondition** | Organizer owner must be connected to the Internet and on the Entries page. |
| **Basic Path** | 1.Organizer owner click the button request for license no. to admin.  2.The server send the request to the admin. |
| **Alternate Path** | N/A |
| **Post condition** | A record is created in the Owners Table of the Owners Database |
| **Exception Path** | 1. If the connection is terminated before the  form is submitted, the fields are cleared  and the Server is returned  to the wait state. |

**6.1.4 Making cash memo with License no.**

|  |  |
| --- | --- |
| **Use Case Name:** | Making cash memo with License no. |
| **Brief Description:** | This operation permits Organizer owner to make the cash memo for the customers |
| **Priority** | Essential |
| **Trigger** | Organizer owner choose to create a new entry. |
| **Precondition** | Organizer owner must be connected to the Internet and on the Entries page. |
| **Basic Path** | 1.Owner click the button cash memo.  2.The server send him a form of cash memo with his license no.  3.Owner fill it up for the customers. |
| **Alternate Path** | N/A |
| **Post condition** | A record is created in the Owners Table of the Owners Database |
| **Exception Path** | 1. If the connection is terminated before the  form is submitted, the fields are cleared  and the Server is returned  to the wait state. |

**6.1.5 Sending tax with License no.**

|  |  |
| --- | --- |
| **Use Case Name:** | Sending tax with License no. |
| **Brief Description:** | This operation permits Owners to send tax with license no to the admin. |
| **Priority** | Essential |
| **Trigger** | Organizer owner choose to create a new entry. |
| **Precondition** | Organizer owner must be connected to the Internet and on the Entries page. |
| **Basic Path** | 1.Owner click the send tax button.  2.Then they send tax to the bikash no and click the button ok.  3.The server wait for the response of the admin. |
| **Alternate Path** | N/A |
| **Post condition** | A record is created in the Owners Table of the Owners Database |
| **Exception Path** | 1. If the connection is terminated before the  form is submitted, the fields are cleared  and the Server is returned  to the wait state. |