**User Requirements Document**

Restaurant Table Reservation

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**VERSION 1.0**

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# 1 Introduction

## 1.1 Purpose of the Document

This document formally describes the user requirements for the conceptual model of a restaurant table reservation project. This document is intended for every member of the project.

## 1.2 Scope of this Document

This document describes the requirements for the concept for restaurant reservation [RR]. The development will follow iterative waterfall model. It will be divided in iterations thus each iteration will comprise a set of requirements marked by “ITR<<no.>>”. Where necessary, user requirements defined in different stages will be identified as such. The subsequent requirements for the iterations will be based on previous iteration’s success. As of now no iteration is time bound, thus this needs to be taken care of ASAP.

Requirements could be also marked as “O” (optional) and “E” (extensions). It doesn’t imply they are not part of the scope of the project, but they will be determined at a later stage.

## 1.3 Definition of Terms

RR – restaurant reservation

ITR – iteration number

# 2 General description

The goal of the project is to “… increase business for restaurant”. One of the ways could be to provide an online facility to reserve tables online. Fortunately, we have competitors (no fun without them), and can refer for applicable use cases. We need to foresee the goal keeping in mind patron experience using our implementation.

## 2.1 Project Context

This document lists requirements for RR model. Several implementations exist, most notably **opentable.com**, which caters to reserving tables in NY. It’s quite a fine example from where we can pick most of the use cases.

The development will follow iterative waterfall model thus producing several versions. Each iteration will result in a product, unit-tested to cover use cases allotted to the iteration; however, it is recognized that depending on the approach taken, not all user requirements may be met at the end of the project.

## 2.2 General Capabilities

One of the approaches for enhancing business for environment; an online table booking system, will work as it says. Our approach should help the restaurants do good business even during off-times aka happy hours. Being iterative, by the end of iteration, the product will be demoed to the customer. From the feedbacks, the requirements for the next iteration will be prioritized. Initially we’ll consider demoing a single client enabling us to cater requirements basic to all restaurants and in later stages the product will be demoed to several others to get a lucid list of requirements.

With the approach of creating an online portal for reserving tables at restaurants, the final product will fulfill the user requirements taking in consideration of patron experience.

## 2.3 User Characteristics

We have two target groups for using this portal, thus having two major intents. One, as mentioned above make business more lucrative for restaurants, with intent of accepting incoming requests for table booking and correspondingly responds to patrons. The other target group is the patron itself, which will request for table booking and will be expecting a response either via sms or an email.

Both the groups can be classified as users with minimal or knowledgeable computer experience. However, it is required that these groups spread the word about the system.

## 2.4 System Context

Following will provide a flow diagram for the same. TBD

## 2.5 Assumptions and Dependencies

2.5.1 Assumptions

* Both groups will have access to internet and mobile services

2.5.2 Dependencies

* Considering, for quick response if we think of a agent residing on restaurant side desktop, will it require JVM? If so, specific JVM version required to be installed.

## 2.6 Outstanding Issues

NA.

# 3 Functional Requirements - System

This section contains all users’ functional requirements with regard to systems involved in online table reservation. Each requirement is prioritized as follows:

M Mandatory requirement – feature must be built into final systems

D Desirable requirement – feature should be into final system unless facing unwarranted impediment.

O Optional requirement – feature can be built into the final system at team’s discretion.

E Possible future enhancement – feature is recorded here so that the idea is not lost. The decision on whether to include it in the system will depend on progress on the mandatory requirements.

## 3.1 Processing platforms

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
| U3.1.1 | Windows | M |
| U3.1.2 | OSX | M |
| U3.1.3 | Linux | M |
| U3.1.4 | Mobile Platforms | D |

## 3.2 User Interface characteristics

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
| U3.2.1 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## 3.3 BLANK

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
| U3.3.1 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 4 Functional Requirements – Target Group: Restaurant

This section contains all users’ functional requirements with regard to restaurant target group for online table reservation. Each requirement is prioritized as follows:

M Mandatory requirement – feature must be built into final systems

D Desirable requirement – feature should be into final system unless facing unwarranted impediment.

O Optional requirement – feature can be built into the final system at team’s discretion.

E Possible future enhancement – feature is recorded here so that the idea is not lost. The decision on whether to include it in the system will depend on progress on the mandatory requirements.

## 4.1 Processing platforms

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## 4.2 User Interface characteristics

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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## 4.3 BLANK

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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|  |  |  |
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# 5 Functional Requirements – Target Group: Patron

This section contains all users’ functional requirements with regard to patron target group for online table reservation. Each requirement is prioritized as follows:

M Mandatory requirement – feature must be built into final systems

D Desirable requirement – feature should be into final system unless facing unwarranted impediment.

O Optional requirement – feature can be built into the final system at team’s discretion.

E Possible future enhancement – feature is recorded here so that the idea is not lost. The decision on whether to include it in the system will depend on progress on the mandatory requirements.

## 5.1 Processing platforms

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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|  |  |  |
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## 5.2 User Interface characteristics

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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|  |  |  |

## 5.3 BLANK

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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# 6 Non-functional Requirements

## 6.1 Performance requirements

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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|  |  |  |
|  |  |  |
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## 5.2 Scalability requirements

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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|  |  |  |
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## 5.3 Security requirements

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
|  |  |  |
|  |  |  |
|  |  |  |
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# 6 Design and Implementation Constraints and Standards

## 6.1 Safety

NA

## 6.2 Security

TBD

## 6.1 Target Platforms

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
|  |  |  |
|  |  |  |
|  |  |  |
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## 5.2 Development Tools

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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## 5.3 Project Requirements

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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# 7 Delivery Requirements

## 7.1 Delivery

Describe any constraints or requirements the client has specified relating to how the system should be delivered.

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| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
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## 7.2 Post-Delivery

Describe any constraints or requirements the client has specified relating to activities` which are to take place following successful delivery of the system

|  |  |  |
| --- | --- | --- |
| **Label** | **Requirement** | **Necessity** |
|  |  |  |
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# Appendix