# ScriptOne CRM

## Proposal To Mr Zuhaib Shahid Malik

# ScriptOne Business Proposal

TimeLine

Jan 25– March 25

Stage 1:WebSite Development

March 30– April 30

Stage2 :Testing And Deployment

May 10 – June 10

Stage 3:  Updates And Demand Analysis

June 25

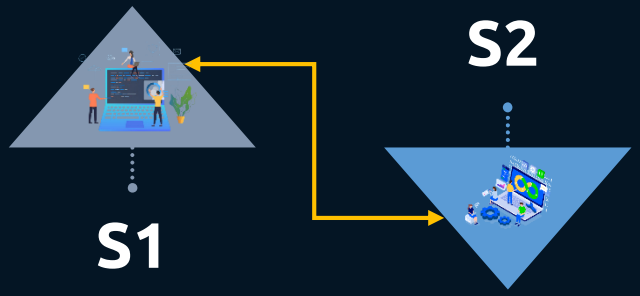
Stage 4: Final Agreement

# 2020

# TIMELINE

The project timeline is of 5 months, and It has 2 breakdowns as Follow

- Stage 1 and Stage 2 will start from January 25 and will end April 30
- Stage 3 and Stage 4 will start from May 10 till June 25.



## S1

- Web Development
- R&D on Market Trends
- Demand Analysis

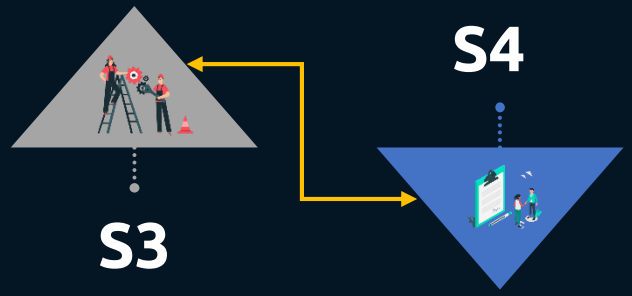
- Meeting with Client
  - Every 15-20 days

## S2

Testing And Deployment

- Q./A Testing
- Production Mode testing
- Deployment

- Meeting with Client
  - Every 15-20 days



## S3

Updates And Demand Analysis

Services Include.

- Any Tweaks or Changes But no demand for developing new modules.
- Aesthetics Tweaks or Changes. But no demand for developing new modules.

- Meeting with Client
  - Every 15-20 days

## S4

Final Agreement

- MOU
- Revisited the Agreement
- Final Contract

- Meeting with Client
  - Every 15-20 days

# Six Months Maintenance Free Service

**Note: After Six Months Service will be Paid As per Demand.**

1. Checking That Application Running Properly
2. Little changes and Updates Can Apply
3. Cannot Add Another Module or Third Party Module
4. Third Party Module contain Outside Api’s and Outside Software. (This is not under Free Service)
5. Cannot Add Another Module that is building a new component and add it(This is not under Free Service).

# Development Details

1. Processing Phases & Requirement
2. Technology We Use
3. Timetable
4. Budget
5. Key Personnel
6. Evaluation

# 1.Processing Phases & Requirement

Six Stages Strategy that will lead to well-developed and efficient integration of application.

- Planning
- Analysis
- Design
- Testing and Maintenance
- Implementation and Integration
- Technical Support

## Planning

First step is the planning part where we will get all the requirements in writing or in any Format to make sure that our future processing is 100% aligned with the client and we are working towards a common objective.

## Analysis

After having all the requirements our team will sit and analyze the requirement demand to form a processing plan accordingly. Following things will be taken into account

- Technologies to be involved in the application processing
- Resource Planning: Developers & Technical Assistance we need to engage
- Project Completion Timelines: Starting Period to Ending Period

# 1.Processing Phases & Requirement

## Design

Here we use MVC and Modular Design. MVC is about loose-coupling, and Modular Programming takes that concept to the extreme. We break the whole project into different Modules and then we connect them all to make a working application. Modular design will give us five benefits.

What is Modular Approach to Web Development?

MVC is about loose-coupling, and Modular Programming takes that concept to the extreme. A modular application can dynamically load and unload modules at runtime, completely separate applications in their own right, which interact with the main application and other modules to perform some set of tasks.

In shot Modularity is a design pattern so every single entity can be optimized independently. This entity is called Modules. If I give an example it would be AdminPannel and Landing Pages are different Modules and these two Modules will made up of components which are separate and loose-coupled.

# 1.Processing Phases & Requirement

## Principles:

1. Decomposability: it decomposes a software problem into a small number of less complex sub-problems, connected by a simple structure, and independent enough to allow further work to proceed separately on each item. This leads us to Encapsulation.
2. Composability: it favours the products of software elements which may then be freely combined with each other or produce new systems, possibly in an environment quite different from the one in which they were initially developed.
3. Understandability: it helps produce software which a human reader can understand each module without having to know the others, or, at worst, by having to examine only a few of the others.
4. Continuity: if a small change in the problem specification will trigger a change of just one module, or a small number of modules.
5. Protection: if it yields architectures in which the effect of an abnormal condition occurring at run time in a module will remain confined to that module, or at worst will only propagate to a few neighbouring modules.
6. Advantage: One of the advantages of modularity, where modules are self contained, is that you can replace or add any module without affecting the rest of the system

## 1.Processing Phases & Requirement

## Testing and Maintenance

Once the application is developed we then test it through different stages which includes.
1 Time to load our application
2 Layout testing
3 SingUp SignIn testing
4 API’s testing
5 Other tests according to demand
Once the test are done then we will maintain the quality by removing the bugs or adding more features according to demand requirements.

# 1.Processing Phases & Requirement

## Implementation and Integration

In this phase we deploy our application and then integrate it with the third parties data using API’s because eventually we will need data from the third parties to run our app perfectly.
(If we need Third Parties Data).

# 1.Processing Phases & Requirement

## Technical Support

Once app application completed and went live we will provide 24_7 Technical support throughout the year.  As it is mandatory to look after our application once it get live. (Paid Services)

## 2.Technology We Use.

### Mean Stack Development.

The term MEAN stack refers to a collection of JavaScript based technologies and Frameworks used to develop web applications. MEAN is an acronym for MongDB,ExpressJS,Angular+ and Node.js. From client to server to database, MEAN is stack of JavaScript.

### Why Mean Stack?

1 SPA
2 Biggest Repository Provided by Npm
3 One Language FrameWork
4 Work on Google Chrome V8 engine which gives you speed.
5 Cross Platform API's Easy integration
6 Use RestFull API's Architecture
7 Mean Stack use Modular Architecture which makes all components Independent
8 No Page Reload
9 Great Security by JWT Authentication
10 Support Progressive Web Application.

# 2.Technology We Use.

## Introduction:

NodeJS is a server side JavaScript execution environment. It's a platform built on Google Chrome's V8 JavaScript runtime. It helps in building highly scalable and concurrent applications rapidly.
ExpressJS is lightweight framework used to build web applications in NodeJS. It provides a number of robust features for building single and multi page web application with Multi Threading. ExpressJS MVC framework of JavaScript.
MongoDB is a schemaless NoSQL database system. MongoDB saves data in binary JSON format which makes it easier to pass data between client and server. Or we can use FireBase depending on the Demand Requirements.
Angular+ is a JavaScript framework developed by Google. Single page, fast, and secure these are some most important feature provided by Angular+.
RestfulAPI's: To develop API's for our system we use Rest Architectural style. RestfulAPI's ensures following constraints.

1 Client Server Architecture
2 Stateless
3 Cacheabilty
4 Layered System
5 Uniform Interface.
6 Code on Demand

Mean Stack is Web 2.0 technologies.

## 3.Time Table

## Project BreakDown

Provide detailed information on the expected timetable for the project. Break the project into phases, and provide a schedule for each phase.

| **Description of Work** | | **Start and End Dates** |
|---|---|---|
| **Phase One** | Stage 1 and Stage 2 | Jan 25– April 30 |
| **Phase Two** | Stage 3 | May 10 – June 10 |
| **Phase Three** | Stage 4 | June 25 |

## 4.Budget BreakDown

The budget requirements to ScriptOne will be managed by Our Honorable Client in three splits which is the standard procedure of the company.

| | **Description of Work** | **Budget Break Down** |
|---|---|---|
| **Split 1** | Stage 1 and Stage 2 | 90,000 |
| **Split 2** | Stage 3 | 120,000 |
| **Split 3** | Stage 4 | 90,000 |
| **Three Phase Break Down** | Percentage BreakDown | 30%,40%,30% |
| **Total** | | PKR 300,000 |

## 5.Key Personnel

List the key personnel who will be responsible for completion of the project, as well as other personnel involved in the project.

| | |
|---|---|
| **Client** | **Zuhaib Shahid Malik** |
| **Sponsor** | ScriptOne |
| **Company Founder** | Muhammad Abdul Rehman |
| **Co-Founder** | Muhammad Nasir Ayyub : Head Developer |
| **Team Heads** | Hassam Waleed: Graphics Designer<br>Imran Farhat: Lead Developer |

# 6.Evaluation

Discuss how progress will be evaluated throughout and at the end of the project.
– Formulate clear indicators for each objective and result.
– Indicate how and when to conduct monitoring and evaluation activities to determine project's , progress and outcome.

– State which methods will be used to monitor and evaluate the project.
– Identify who will carry out the project evaluation..

# Functionality Of Application

**Note: Functionality** Can Be Revised According To Client's Demand. Must Have a Meeting With Client Before Finalizing The Functionality of The Application.

1. **Landing Page**
2. **Super Admin Portal**
3. **Managers Portal**
4. **TSR Portal**
5. **CSR Portal**

## 1. Landing Page

List of components

- Home Component
- Who are We Component
- What we Do Component
- Products Component
- Contact Us Component
- Login Component
- Holy Quran Portal
- AddToCart Component
- CheckOut Component
- Register Component
- Admin Component
- User Component
- Payment Method Component
- Header/Footer Component

## 2. Super Admin Portal

### List of Components

- Imature Lead Component
- Mature Lead Component
- Total Employees Management Component
- Admin Management Component
- Csr Portal Details Component
- Tsr Portal Details Component
- Monetary Management Component
- Sale and Orders Management Component
- Settings Component
- Daily Tasks For Admin

## 3. Manager Portal

### List of Components

- Mature Leads Info By Csr Component.
- Csr Task Reports to Super Admin Component.
- Tsr Task Reports to Super Admin Component.
- DailyTasks By SuperAdmin Component.
- DailyTasks Reports Component.
- DailyTasks to Csr Component.
- DailyTasks to Tsr Component.
- Can Change and Assign Tasks to Tsr Component(only change by tsr admin).

# 4. TSR Portal

## List of Components

- Lead Generation Component
- DailyTasksByAdmin Component
- DailyReports Component
- GetPhoneDirectory Component
- Categories (Tickets,Visa,Hotel,Umrah).

# 5. CSR Portal

## List of Components

- GetImmature Leads From Tsr Component.
- MatureThe Leads

# Important Tables

Project BreakDown

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# Important Tables

## Budget BreakDown

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# Important Tables

## Key Personnel

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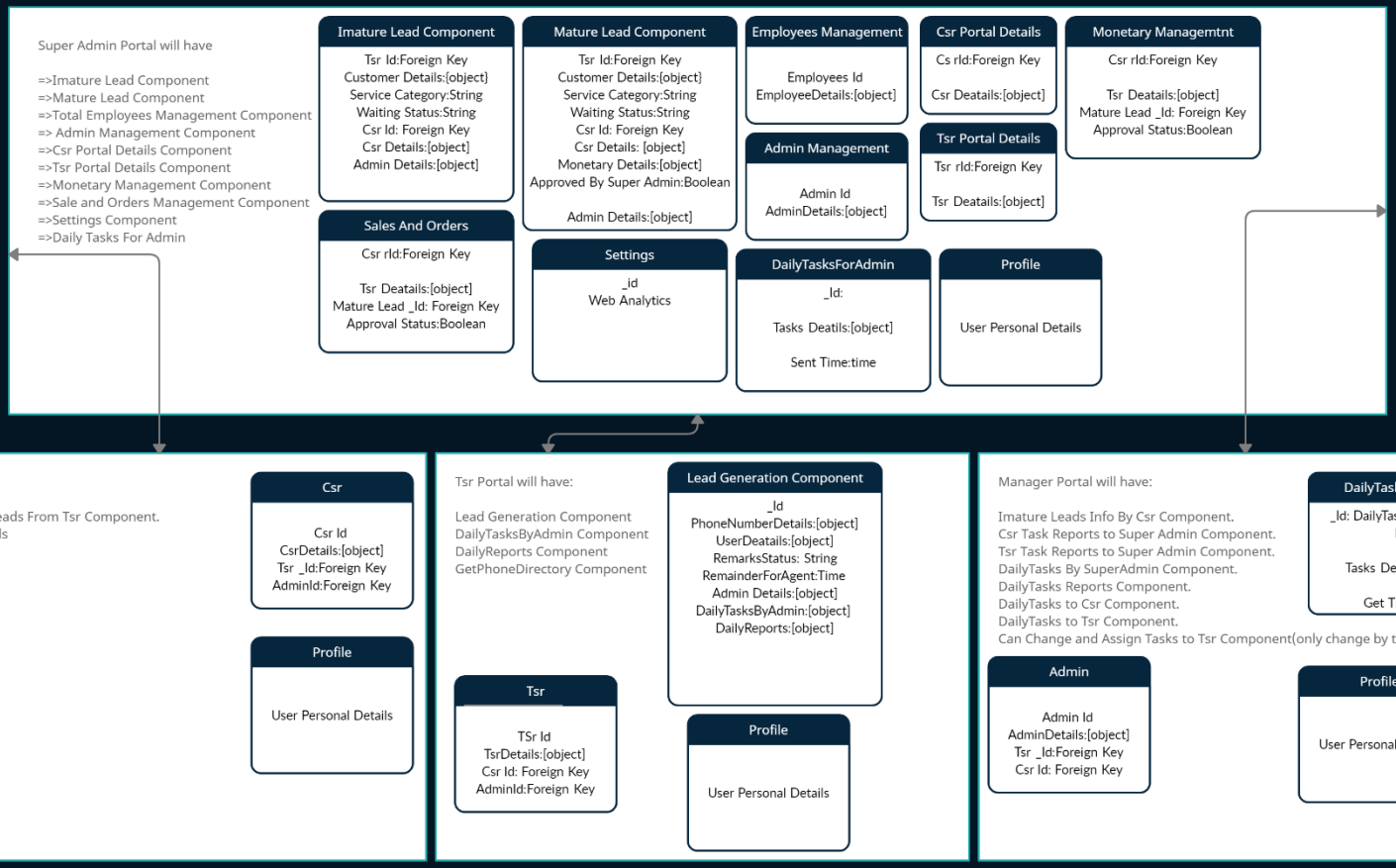
# Data Flow Diagram



# The End