*Mobile Application Requirements Specification*

*For*

***Version 1.4***

***Prepared by Css (Concrete Software Solutions Pvt Ltd.)***

***Revision History***

|  |  |  |  |
| --- | --- | --- | --- |
| ***Name*** | ***Date*** | ***Reason For Changes*** | ***Version*** |
| *Mohit kumar* | *13-Feb-2019* | *Based upon Initial* | *Draft 1.0* |
| *Sachin Kumar* | *13-feb-2019* | *Updated* | *1.1* |
| *Sachin Kumar* | *14-Feb-19* | *Updated for section 3#, 8#* | *1.2* |
| *Sachin Kumar* | *18-Feb-19* | *Updated as per comments* | *1.3* |
| *Mohit kumar* | *18-Feb-19* | *Updated as per conversation or comment* | *1.4* |

*Company Profile*

***Official Site: www.cssinfotech.in***

*CSS Computing Group is a leading IT solutions provider with an international reputation for its development of web-based enterprise and marketing solutions. The web sites and custom web applications created by CSS have helped some of the world’s best known brands more effectively communicate products and services to target audiences and maintain the highest level of customer satisfaction...*

*For More* [*http://www.cssinfotech.in*](http://www.cssinfotech.in)*,* [*www.css4hosting.com*](http://www.css4hosting.com/) *,* [*www.voipinfotech.com*](http://www.voipinfotech.com/) *,* [*www.cssmobileapps.com*](http://www.cssmobileapps.com/) *,*[*www.clouditechnologies.com*](http://www.clouditechnologies.com)

***Govt Clients:***

*Haryana Govt. Technical Education (HSCS), Legal Opinion India, PSPCL India Pvt Ltd*

*ITI Chandosi/Etah/Raigarh, Edcil India Pvt Ltd, Delhi University (DU-SOL)*

*AIMA (All India Institute of Management Association), University of Petroleum*

*CRIS ( Railway), Tourism Finance Corporation of India Ltd ,National Institute of Urban Affairs (NIUA), Airport Authority of India, Punjab Power corporation Ltd, GDA ( Ghaziabad Authority of India), IIIT Gwalior*

***Private Clients:***

*CK Birla Group India – ORIENT, NBC, AVTEC, HIL, NEOSYM, JTEKT INDIA.*

*SONA BLW, SONA JTEKT, SONA KAYO, Educomp, India Pvt Ltd, DataSoft India Pvt Ltd*

*Arete Consultants Pvt Ltd, WOKNTAVA Bangalore, GMS Courier company Bangalore*

*SIPI COP-Ebay, NSIC-India, STEEL DIAL, the Camron Hotels India, Jindal Education Group*

*Serviced Apartment India, Vollkommen Group India, TDT, SAIPARYAVARAN CONSTRCUTION,*

*MBBPO, VA FOODCOM, DU, UPES, PEARL Academy, OMR.*

***Services:***

*Web Design Solutions, Web Applications, and Web Hosting Domain registration*

*Bulk SMS Solution, Voice Over IP, Outsourcing, Standalone Solutions*

*SAP Consultancy, Networking Solutions, Mobile Applications.*

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# *Introduction*

## *Purpose*

*This app will facilitate to track the people / consumer for their trip and where they spend time and will save famous location data also by using google / yahoo APIs . App will be coded in Xamarin native ( android /IOS)*

References: -

*Discussion with Mr. Arpit ().*

# *Overall Description*

## *Contract Features*

* *Admin Panel Design and Development*
* *Mobile App Design and Development*
* *Application d Testing, Deployment*
* *Maintenance & regular support*
* *Application training*

## *Operating Environment*

* *Xamarin Native based android and IOS application.*
* *Entity framework for database.*
* *OS: Android/Emulator.*

# *Project Details*

*CSS will design and develop Mobile application on Xamarin(Android/IOS),will design and develop trip tracking Mobile application and it’ DB to manage*

*Type of Users Profiles:*

1. *Admin for database mgmt.*
2. *User (Trip User)*

*For details refer Annexure A#*

## *AMC (Textual –And Small Programming)*

*CSS will maintain in terms of changes/updates required by for following sites to keep them updated as per international market standards and will provide report after work done to CLIENT.*

## *Design & Development*

*CSS will renew and develop mobile application and will do necessary programming on pages where it will be needed and will produce report.*

## *Time Duration*

*Design work: 10  
User DB Design: 7  
Admin DB Design :7  
Xamarin Coding  for Android: 15*

*Xamarin coding for IOS: 20*

*Unit Testing: 15  
UAT: 7  
Production Deployment: 3  
Warranty Period: 5  
Training with User Manual: 3*

***Approx : 80 + Days including Saturday/Sunday .***

## *Costing*

*One Time Development Charges: 5000$ USD*

*Hosting: for Dedicated Server 215 $ per Month with .Net / SQL Server support , on VPS 100$ Per Month*

*Maintenance /AMC Charges: will discuss the engagement model.*

# *External Interface Requirements*

## *Hardware Interfaces*

* *Shared Hosting solution can be VPS or Cloud hosting as per requirement, we can also setup details even for development environment with 50 GB hosting space.*
* *Linux/Cent OS based for above*

## *Communications Interfaces*

*All sites will be on http based protocol, so client has to provide SSL and it will be used by web services also.*

# *Other Nonfunctional Requirements*

## *Performance Requirements*

*CSS committed to 99.99% up time until we have approved downtime from client for any updating or changes.*

## *Security Requirements*

*Security of all sites will be given as per our IT policies to avoid any hacking, spam issues.*

# *Team Details*

*CSS will have following team size to manage full application on work basis.*

## *Hosting Team*

*There will be a 24x7 supports to maintain all website up and running and a group of 4 people will handle this*

## *AMC Team*

*There will a up to 5-6 designer and middle level developers who will maintain day to day basis programming and designing changes on all site based upon requirements.*

## *Senior Designer*

*There will be a dedicated senior Team Lead Level design who will work directly with CLIENT to finalize each design.*

## *Development Team*

*There will be up to2-3 Xamarin, developers and 1 project manager to make online solution as needed.*

# *Miscellaneous*

*Anything out of this document can be discussed and in-corporate later.*

ANNEXURE*-A*

**PRIMARY MODULES**

Mobile application will have following modules.

***MODULES TO BE DEVELOPED***

## *Admin Module in Database:-*

* *There will be admin who control access level of the user in database for MVP.*

*- Manage trip tile photos by each location*

*- Manager default trip detail, memory, food, sleep, landmarks, map, photos etc.*

*- Manage access level of the user.*

*- Manage locations, categories*

*- Manage trips*

*-Manage default fonts, font colors, location on the tile*

## - *User Module:-*

* *User login/Registration page from Facebook or Gmail forget password as well.*
* *User can see recent trip on home page or user can also add any trip as a favorite trip.*
* *User can create trip or end the trip.*
* *User can see the list of all places he/she visit during trip with spending time as well.*
* *User can create shared and private stories.*
* *User also can see the other users shared stories and notes about trip or place.*
* *All the places visited by user can be categorize (e.g. Shopping, Landmarks, Dining, Lodging, Entertainment and others)*
* *User can see his/her profile (Name, Address, other details)*
* *In setting menu user can change password, can see about the application or company, terms and conditions.*
* *User can rate the trip.*

## *Wire Frame details :*

### <https://docs.google.com/spreadsheets/d/1Q6WwJcYhYIeLb1gsSvxZrXEtFoGTXBbJy5nrJJv8lAE/edit?usp=gmail>

### Screen flow

### <https://balsamiq.cloud/sjzrx7/pnd2wgd>

## High level requirements:

<https://docs.google.com/spreadsheets/d/1fyo-KWLXXQyUn-hdeJiiRatnjuRjGix1WMShVRc14Zg/edit#gid=1921106081>

# *Input by the client*

1. Terms and conditions in document format.
2. About company information.
3. AWS database credentials to create database.
4. Email ID and password to create accounts to get authentic keys to use Google and Facebook APIs.
5. Hosting will be provided by client or it will be charged separately then development cost.

***Note: Client input may be varying after clear information or idea about the project.***

*DEPENDENCY*

1. User must have lowest targeted android/IOS version device.
2. Customer Internet availability: – at least 256 Kbps speed
3. User must active location services on their device.

# *ANNEXURE-B*

## *AMC (Textual –and small Programming)*

*CSS will maintain in terms of changes/updates required by for following sites to keep them updated as per international market standards and will provide report after work done to CLIENT.*

*We define "Maintenance" as keeping the web site current. It is not intended to be a new design of overall website, however, being CLIENT Fans is a dynamic website & required attention to create product pages, will re-create them wherever required & will cover under AMC.*

*We maintain a current backup, and archive all submitted files for your website.*

*Updates should be provided electronically (by email) as much as possible. Attachments should be in text format (.txt or Word .doc formats are fine). Send digitized pictures in common format such as .jpg, .gif, .ai, .psd, .png, .bmp, etc. Updates may also be sent by postal mail or by fax. This will require retyping data or the scanning of photos and will cost more to complete your changes.*

## *Scope of Maintenance Contract (Maintenance Chart)*

***What is included in the app Maintenance is:***

1. ***Graphics & Animation Updates*** *– adding, editing and sizing of any pictures / animations to the existing website which does not fall under the scope of the layout or actual design of existing website include banner changes etc.*
2. ***Website/Mobile app Content updates*** *– adding, editing and/or removing any text or copy on the existing site including any articles, reports, contact information and product or service description.*
3. ***Script / Program Updates*** *– adding, editing, removing and installing any scripts, programs or software to the existing website can be done under the scope of this contract provided it does not change the overall design or look of the site.*
4. *Services We Offer*

* *We monitor your web site intermittently and upon your request.*
* *We check for and fix any broken links.*
* *We check for poor or fading images and replace as required.*
* *We search for and recommend to you web companies for reciprocal linking or affiliating with, that will better expose your company.*
* *We will test all e-mail accounts (requires you to confirm receipt).*
* *We will remain in-touch with your server(s) and inform you if any server changes are important to your account.*
* *We will update word changes accordingly*

1. ***Complete Monthly Backups*** *– each month your existing website will be backed up and saved to our local server.*

***The scope of this contract does not include the following:***

1. *Re-design of site – the scope of this contract is limited to maintenance and does not allow for complete redesign of existing site.*
2. *Website Marketing – the scope of this contract does not include making any changes to existing Meta-tags, Alt-tags, Titles, Keywords or Page Descriptions. These tasks fall under the scope of Search Engine Optimization and require a different contract.*

**DEVELOPMENT & MAINTENANCE CONTRACT**

*(This contract supersedes any previous agreement with CSS)*

**Contract Ref No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

THIS AGREEMENT is made and entered into as on Feb-2019 between **Concrete Software Solutions Pvt Ltd** with its principal place of business at Delhi/NCR (“Concrete software solutions Pvt Ltd”) and **KindaKewl Solutions** its principal place of operation 36167 Mangrove Ln, Newark, CA 94560.

On behalf of **CLIENT/ VENDER**, I hereby agree to the terms and Conditions for Survey app Development/ Maintenance Requirements Specification agreement for the Pearl website redesign.

Name: Arpit Gattani Name: Archana Malik

Position: CEO and President Position: Director

Date: Feb 19, 2019 Date: Feb-2019