

Cloud Paper for Stationery & Business Solutions LLC

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Smart Mosque

Application

This document is proposed to design and development of smart mosque application in web and mobile where customers can see the prayer times, important events in the mosque, mosques addresses, read and listen to the Holy Quran, communicate with mosque admin, Make the donation process easier, show the nearest mosques and a lot of additional information related to the mosque.

Key Benefits

- » Standards with better user interfaces and that support sophisticated user interaction.
- » Responsive design integration
- » Customer registration/account
- » Browse the mosque information
- » Admin panel

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Scope of Work

The scope of this project is to design, develop, test and deliver a highly-qualified web and mobile application.

- » Design the database
- » Develop web and mobile based applications
- » Review the system progress periodically
- » Application Setup & Configuration with Demo server
- » Perform user acceptance test
- » Implement the System for LIVE.

Specification

Web, backend application	- PHP, HTML5, CSS, java script, bootstrap and JQuery
Android application	- Java
IOS application	-Native IOS
Database	- MySQL

Functionality:

Smart Mosque System will include the following

1. Admin panel to manage the Mosque work.
2. Mobile App for users (Android and IOS).
3. Website for users.

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Input's from Client

- » Server as per our specification
- » SMS gateway API details
- » Payment gateway API details
- » Google map licensed API details

Application Features

We need to build the front-end web and mobile application which will be accessed by public users, and admin panel development.

This application will have 2 stakeholders as mentioned below

- » users
- » Admin

Admin Panel Developments

CMS is mainly for providing administration for moderator or Administrator for our application, where they can manage the entire data of web & mobile application.

Admin Login

- » Admin can login using username and password.

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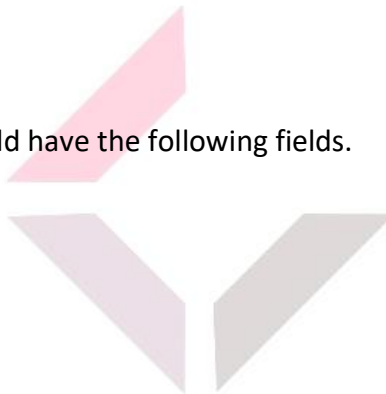


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-
- » If the inputs are invalid, need to show an alert.
 - » Admin should have an option to recover the password if they forgot it.
 - » Admin should be asked for the email id to get the password reset link.
 - » Admin can set the new password and login to the application.

Account Settings

- » General settings – it should have the following fields.
 - › First Name
 - › Last Name
 - › Email
 - › Admin Username



Features

- Admin can send messages and advertisement for all users of the application.
- Admin can add new event to the mosque calendar.
- Each mosque manager can add mosque's data and information about it In terms of location, activities and services available.
- Admin can edit old event added by him.
- Add and update the mosque information.
- Add mosque news and needs.
- Follow the Feedback from people.
- Admin can add /update /delete /activate and deactivate the photos, videos and live videos.

- Admin Can add /update /delete /activate and deactivate the advertisement
- Admin can add /update /delete /activate and deactivate the donation categories, their details and required amount of money.
- Admin can add /update /delete /activate and deactivate the frequently asked questions.
- Admin can answer users Fatwa and religious questions.
- Admin can add /update /delete /activate and deactivate information, lesson, videos.....etc. To the mosque guide.
- Admin can read the Enquiries sent by the users.
- Admin can add Summaries (pdf, audio, and video) for the lessons and the Friday sermons filtered by the date.
- Admin can start recording sermon in different languages, and people can choose the language for the sermons (and listen live to these Sermons from anywhere).
- Admin can add /update /delete /activate and deactivate Quran workshops.
- Admin can add /update /delete /activate special days.
- Admin can add /update /delete /activate reminders.
- Admin can send messages and advertisement for all users of the application.
- Admin can add new event to the mosque calendar.
- Admin can add the most distinguished kids which visiting the mosque frequently (we can add prizes and show their pictures in the app to motivate kids).
- Admin can insert the number of Volunteers that he needs and if the system reaches the required number of Volunteers, the event will be marked as closed.

SMS Settings

»The backend application should have an option to the admin to set the SMS Settings.

» The admin needs to fill the following fields to set the SMS settings.

- › SMS Gateway Username
- › SMS Gateway Password
- › Sender ID

» The application should have an option to test the SMS to confirm whether the SMS gateway is working or not.

»The SMS notification will be sent to the users only if the test SMS verification is successful.

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Social

- » The backend application should have an option to input the social media pages link where the users can navigate to it.
- » The admin should be asked to fill the following information for the social media links.
 - > Facebook
 - > Google+
 - > Instagram
 - > Twitter

Role Management

- » Add and manage the roles.
- » The admin can create the role with the below fields.
 - > Role
- » It should have edit option.
- » The admin can browse the role using search option.

Moderator (Sub Admin) Management

- » Add and manage the sub admin.
- » The admin can create the sub admin with the following fields.
 - > Role
 - > Username
 - > Email
 - > Password
 - > Address
 - > Phone
 - > Status
- » It should have an edit / update / delete option.
- » The admin can browse the sub admin or moderator using search and filter Option.

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Access Control

- » Add and manage the access control to the sub admin or moderator.
- » It should an edit / update / delete option.
- » The admin can add an access control for the roles created using the following Fields.
 - › Sub Admin / Moderator
 - › Access (Modules with the create/update/delete/manage option)
- » Admin can manage the roles with the restricted limits where admin can provide Limited access controls to them.
- » Admin can add one or more admins with different roles to manage the backend.
- » Sub admin or moderator can log in into admin panel and access the module Which is belongs to their modules. They can't access the all modules of super admin.
- » The admin can browse the roles using filter option.

Reports Management

- » Admin can view report of donations.
 - › reports about activities in the mosque.

CMS Management

- » Admin can add and manage the CMS pages.
 - › It should have edit/update/delete option.
- » Admin can activate or deactivate the CMS pages.
- » Admin can add a new CMS page with the following fields.
 - › Page Name
 - › Page Meta title
 - › Page Meta keywords

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-
- › Page Meta description
 - › Page content
 - › Sort order
 - › The admin can browse the CMS pages using search and filter option.

FAQ Management

- › Admin can add and manage the FAQ.
- › It should have edit/update/delete option.
- › Admin can activate or deactivate the FAQ.
- › Admin can add a new FAQ with the following fields.
 - › Question
 - › Answer
 - › Sort order
- › The admin can browse the FAQ using search and filter option.

Web Application Development - Customer

We need to build the customer facing web front end application where they can see date, day and time, send messages to admin, mosque Temperature, Prayer times ,remaining time for next prayer, remaining time for Eqama ,scroller which contains photos , videos and live videos,these photos and videos added by the mosque admin , scroller which contains advertisements.

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General Information

- » Website should be developed with current design trends.
- » Application should be compatible in browsers like Google chrome, IE, Mozilla Firefox and Safari in operating systems like Windows, Mac, and Ubuntu.
- » The application will work in English & Arabic languages only. But we need to consider adding languages in future. So, we need to code as per additional language implementation.
- » Responsive design integration which is mobile friendly website.
- » All the form fields should be validated in client and server side.
- » Home page should have neat banner about the concept of application.

Registration

- » users of smart mosque should register with User Name, Mobile Number, Email Address, Address, Password, Profile Image.
- » The password should be secure password at least 6 characters long.
- » Customers can also signup with Facebook. We should integrate the Facebook developer account in this application.
- » The customer should confirm the registration by verifying the OTP sent to their registered mobile number.
- » The customer can log in into the application with email id and password.
- » If the credentials are not valid, need to show an alert to the customers.
- » The customer can also login using the Facebook.
- » We need to integrate the Facebook login API in the application.
- » Forgot password – Customer should enter email id and submit it.
- » The system will send the temporary password to the customer email address. The customer can change their password after sign in.
- » Change password – Customer should enter old and new password to change it.
- » Logout

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Customer Account

- » User information
 - > Username
 - > Email
 - > Mobile number
 - > Profile Image
 - > Address
- » The customer can edit their account with the following fields.
 - > Username
 - > Profile Image
 - > Address



Contact Us

- » The application should have an option to get the enquiries from the users.
- » The application should have an option to contact with the mosque admin.

Mobile Application Development - users

We need to build user facing Android application.

Mobile App for donors.

1. Main Screen Include buttons to reach all the services easily
2. Secondary Screen includes:
 - Date, Day and time.
 - Mosque Temperature.
 - Prayer times.
 - Remaining time for next prayer.
 - Remaining time for Eqama.

- Scroller which contains photos, videos and live videos.
These photos and videos added by the mosque admin.
- Users can share these photos and videos with other users.
- Scroller which contains Advertisements
These Advertisement added by the mosque admin.

2. Menu

- Prayers Time
- Introductory guide and information about the mosque (lessons, events, special days, etc.).
- The app includes a contact button to call, email the mosque and to navigate to the mosque location using the Google maps.
- Summaries (pdf, audio, video) for the lessons and the Friday sermons filtered by the date.
- Admin can start recording sermon in different languages, and people can choose the language for the sermons (and listen live to these Sermons from anywhere).
- Broadcast and view Title of the sermon every week before its start (Admin can insert it).
- Fatwa and religious questions.
 - Users can search frequently asked Fatwa and religious questions .These questions added by the admin.
 - Users can add their questions and admin can answer them. Once the admin answers these questions a notification and message sent to the user phone with the answer.
 - Date Converter miladi to hijri
 - Explanation for the 5 pillars of Islam
 - Tasbeeh counter
 - 99 Names of allah

3. All Mosques:

Using these option users can search for the mosques in each country.

- Drive to the nearest mosque using Google Maps.
- Drive to the nearest Halal or kosher groceries.
- Drive to the nearest Halal or kosher restaurant.
- Drive to the nearest Muslim's school.
- Listen to the Muslims radio.
- Send Enquiries about people in needs.

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- View Broadcast Messages sent by the admin.
 - Suggestions: Users can add there suggestion about the app and the mosque.
 - Translated holy Quran users can view holy Quran in their selected language.
 - Women activities (all information about women's activities in the mosque such as lectures, events, and lessons).
 - Qiblah direction detection

4. Donation

Signup and Login to use this feature.

- Choose Appeals Categories (Ramadan, Zakat,etc.).
- Search Category.
- These categories added by the admin. Admin can determine the required amount of money for each category.
- Once the system collects the required amount, the category will be marked as sold out.
- Users can see the Category. description
- Users can Enter Donation Details (Donation Amount, on behalf of).
- Add donation to cart.
- Pay the donation.
- The donor can pay online using a payment gateway, or he can decide to pay in person. So the payment will be pending until the admin receives it, and change it is status.
- View the bank account of the mosque to transfer money.

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- View the mosque needs (ex: clean, paint, maintenance...etc.), and users can volunteer using the system.
 - View the needs of the mosque (furniture, water, conditioners, etc.).
 - Special Muslims Days

Users can browse special days on the calendar (ex: Eid Adha, Muslims gathering and Muslims FestEtc.)

- Quran workshops to learn the holy Quran
These workshops can be added by the admin to the mosque calendars, Once the admin add these workshops a notification message will be sent to the users invite people to use the app.
- Write your idea of how can we help (suggest new ideas for donating and volunteering).
- Morning and afternoon Citation.
- Settings:
 - The user can set the setting, if he wants to receive a notification to notify him at the prayers times, and before the next prayer time.
 - The user can set alarm for:
 - Citation for morning and evening and others
 - Fasting on Monday and Thursday
 - read AL-Kahf in Friday
 - Lessons and lecture's in the mosque
 - Sunna of the Prophet
 - Silent state when you arrive the mosque
 - Language of lessons (Ar,En).

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General Information

- » Application should be developed with current design trends.
- » Application will work in portrait mode only.
- » Application will work in English & Arabic languages only.
- » Application will work in mobile phones.
- » It should be compatible in tablets as well.

Registration

- » users should register with User Name, Mobile Number, Email Address, Address, Password, Profile Image.
- » Whenever the customer register in the application, the customer should be shown with the Terms and Conditions of the application at the first time.
- » The password should be secure password at least 6 characters long .
- » Customers can also signup with Facebook. We should integrate the Facebook developer account in this application.
- » The customer can log in into the application with email id and password.
- » If the credentials are not valid, need to show an alert to the customers.
- » The customer can also login using the Facebook.
- » We need to integrate the Facebook login API in the application.
- » Forgot password – Customer should enter email id and submit it. The system will Send the temporary password to the customer email address. The customer can Change their password after sign in.
- » Change password – Customer should enter old and new password to change it.
- » Logout

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User Account

- » User information
 - › Username
 - › Email
 - › Mobile number
 - › Profile Image
 - › Address
- » The customer can edit their account with the following fields.
 - › Username
 - › Profile Image
 - › Address



Documentation Deliverables

- » Software Estimation Document
- » Software Requirement Specification Document
- » Project Manual
- » Project Signoff Document

Application Deliverables

1. Admin panel to manage the Mosque work.
2. Mobile App for users (Android and IOS).
3. Website for users.

