

Technical Guide

Mobile Application Design & Development
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BOOK DENTAL

(DENTIST BOOKING APP)



About Project

This is a dental booking app in other words I have made this app for the patient who want to book an appointment with the dentist in their locality.

I made this app in Xcode with Swift programming on MacOS.

MacOS was running on VMware.

App is designed to work on both iphone and ipad devices and will be deployed on 10.3 version

Swift 4.0 version has been used in order to make it up to date and perfect with the new updates from apple.

It a Multiview application with various screens and graphical options.

Technical Details

Controllers & Functions with Views:

1. Main_View controller:

This controller has all the required arrays with the information I have used to show the user.

Various functions has been used as it will let the user to quickly select and search the clinics nearby.



Various UIImageViews has been used where I have pre-added the images in order to make the choices to user for selection

2. Appointment Booking Controller:

In this controller when the user is done with the selection of the clinic he/she wants to book it will automatically will ask the user for information to be filled as a patient as it will be further sent to the clinics db(I have used arrays no db) as it will help them to recognize the user has made an appointment.

I have used UIDatePicker as I want to give an extra option to the user to select the time-slot/date-slot for the appointment to be made.

I have furthermore used a checkbox button where I have given a privilege to the user to select an option where the patient have the insurance or not.

Once the information is filled it is mandatory to use the button to book an appointment.

Pop-up/Alert box has been used to print the data of the appointment.

Technical Difficulties Faced

Swift is totally different from the java and is very much diverse language and moreover the xcode interface is super as it gives you wide variety of functions and controllers not similar to java.

Xcode system was totally new to me and usage was quick and fast but learning it was bit difficult.



Main difficulty I faced when I was asked to put a check/uncheck button. As, xcode don't provide you the radio or check buttons so I made a new function and used the imageview as an alternate to the radio buttons.

The other hard work was to use of the date and time picker as It was hard for me to print the date on the alter box when the patients make an appointment. As we are dealing with only arrays no database has been used in order to fetch the data.

