DEVELOPMENT OF A HYBRID APPLICATION FOR IMAGE EDITING

CLIENT OVERVIEW

Our client is one of the providers of image editing platform and has a well-established application available in Android PlayStore and iPhone App Store which is being used to edit billions of images. Our client's user friendly application allows their users to edit images with custom photo filters, frames, graphics, and several other features.

KEY REQUIREMENTS

- Designing and developing a user friendly hybrid application for a completely web-based operating system
- Implement image editing tools in Firefox OS as in earlier iOS/Android application
- Setting up localization and internationalization (i18n)
- Developing image gallery for the application to select the images
- Integrating the built-in camera with the image gallery to select the current camera image
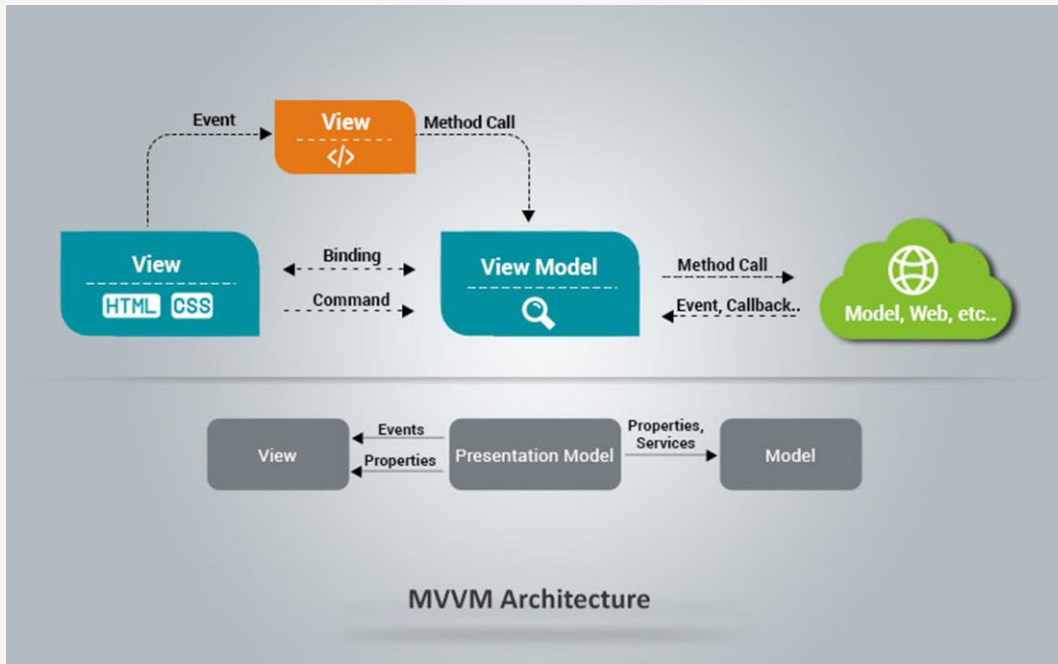- Enabling the share feature to share the image through Facebook, Twiter, email and bluetooth

KEY CONTRIBUTIONS

- Developed the application using HTML5, CSS3 and JavaScript to enable porting the application on any platform easily.
- Adopted XAKF (Xoriant Application Kickstarter Framework) which is a combination of modular, pluggable, re-usable components for creating open web apps, specialized for Firefox OS app development, and also reduced the time of development drastically
- Implemented AngularJS, Underscore and Bootstrap.js tools to provide image editing with design filters, frames, stickers and better user experience
- Developed image gallery using Bootstrap.js to allow users to scroll and access images in the phone gallery
- Enabled location based access from SD card/phone memory, share image, add or delete files using Firefox's device API
- Implemented social sharing which enabled users to share images with others through various mediums like Email, Bluetooth, Messaging, Facebook and Twitter etc.
- Tested the application with different versions of Firefox operating system using Firefox simulator replicating various resolutions and screen sizes

KEY BENEFITS

- Increased user base in more than 7 different countries and reached the Firefox OS users too
- Reduced development time by 30% with usage of XAKF (Xoriant Application Kickstarter Framework)
- Increased revenue through downloads from Firefox Marketplace
- Increased popularity of the application due to availability on new store

HIGH LEVEL ARCHITECTURE

TECHNOLOGY STACK

- HTML5
- CSS3
- JavaScript
- Backbone.js

- Underscore
- Firefox OS device APIs, WebActivities
- Firefox OS Simulator
- App Manager

About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.