



ALEXA INTEGRATED SMART DISPLAY

January 2021
Version 01



Alexa Integrated smart display



Our client is an innovative start-up in the hospitality industry. They wanted to develop a solution that can provide next level of user experience providing room services, news updates, automation of controls and entertainment from same device.

Solution Description

- A smart mirror application was developed
 - Which would bring the entertainment and news updates to customer on the mirror
 - It also accepts Alexa voice commands from the customer for contactless and efficient room service
 - Integrated YouTube skill by leveraging the Google API and Web Sockets
- Developed cloud application components to manage the hospitality services and other customer experiences.
- Provided single sign on facility with which customers can enjoy their individual subscriptions without spending more

Outcome and Benefits Delivered

- Now customers can enjoy multiple services with the option of a single sign in.
- Customers now avail efficient room services with the help of voice commands

Solution Description

The solution consists of the following components

Smart Mirror

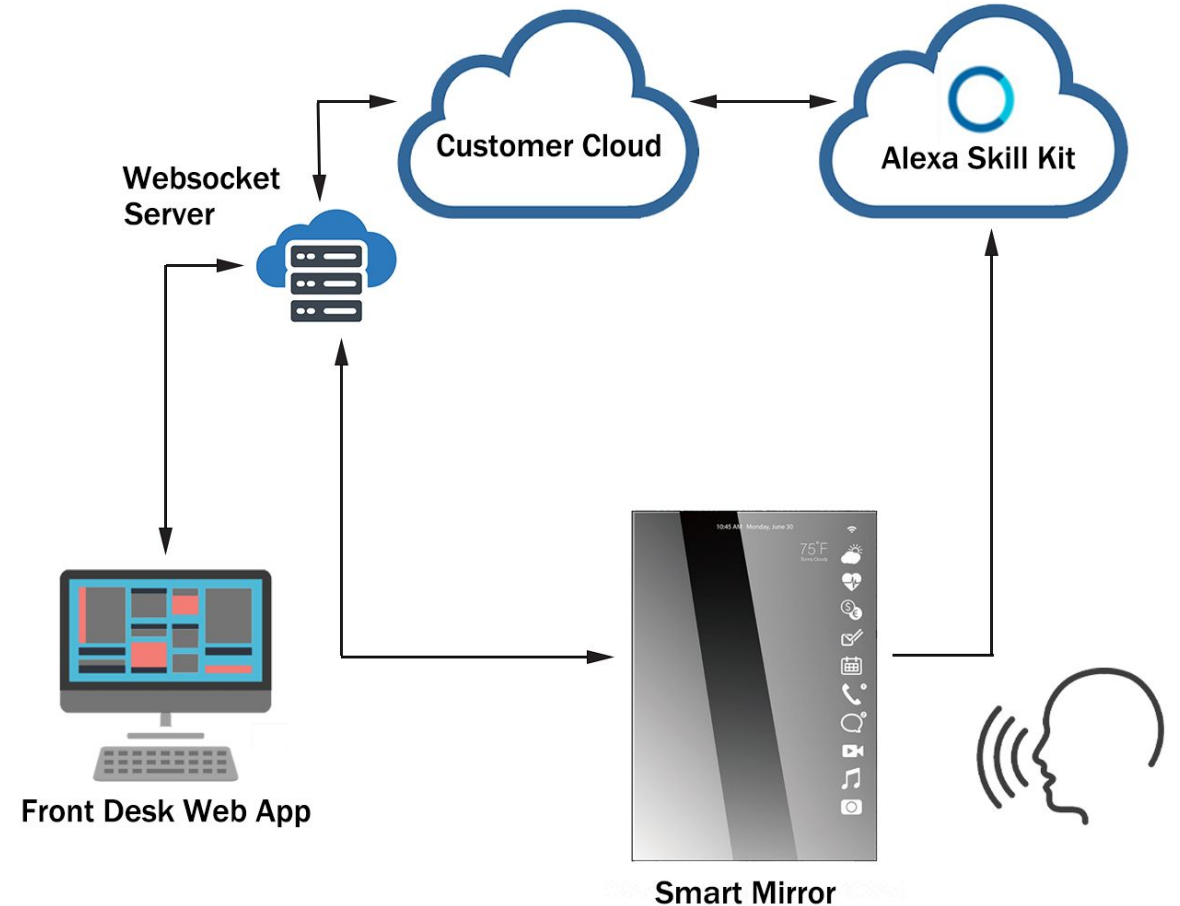
Technology : C, Amazon voice services, Websockets

Raspberry pi with additional plug in card for microphone is used to implement smart mirror. Smart mirror accepts alexa voice commands and uses the alexa cloud to process the commands. Results of the are displayed on the mirror.

Customer Cloud/Web Application

Technology: AWS lambda, Node.js

Information specific to the user, hotel etc are stored in the cloud application. Based on the type of voice command, Alexa cloud invokes APIs from the customer cloud application to process the command which in turn sends the response back to the smart mirror for specific actions.



THANK YOU



For More Details, Let's Connect



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