

Project KickOff

Client: Konviv

Date: April 17th, 2017

Technologies: Watson IBM Bluemix, Node.js, Amazon EC2, iOS, Swift, Javascript, Firebase, IA.

Project Model: Fixed Bid, MVP.

Project description:

Konviv is looking to create a very simple "Proof of Concept" mobile application that functions primarily as a financial chatbot that can retrieve user's actual bank account information using the Plaid API (or others if you have suggestions).

The application will have 3 screens.

1. Chat: there will be 10 - 15 questions that users can ask Konviv about their finances and Konviv will pull their actual financial information from the Plaid API to respond.
2. Dashboard: Users will be able to see their transaction history (similar to a banking app) including their checking, savings, and credit card accounts.
3. Tools: This will be a static area that has a chart (just a jpg image) and a credit score button - it will show that Konviv will eventually have tools

Some thoughts around infrastructure:

- Plaid API - perfect solution for app's goals.
- For Chatbot you can use Api.ai or Watson IBM Bluemix (conversational chat) - server for Chat Bot data (free).
- Optional: if we need a database: FireBase - for storing users accounts (it is for free too and supports both Email Sign up /Sign in and Facebook Sign up / Sign in).

Go-Labs solution:

Go-labs will deliver a minimum viable product using the tools/technologies listed below:

- Nodejs for Rest API interface.
- Swift as the main programming language for iOS.
- Firebase as the primary database.



- Plaid for the interaction with bank accounts.
- Watson IBM Bluemix as chatbot provider

The architecture and the interactions between the different pieces is show below:

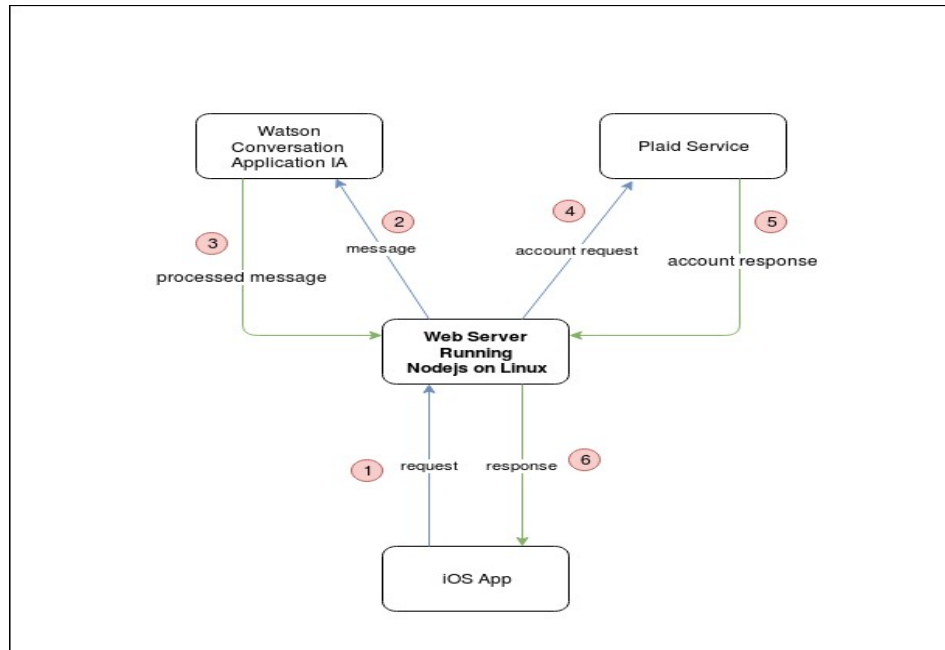


Figure 1 Go-Labs solution.

Work Estimation:

Activities	Hours
Backend	
Watson conversation app	8
Training watson EN	12
Training watson ES	4
Plaid integration	24
Firebase integration	4
Project setup	8
Database design	4
Api development	60
Weekly meetings	2
Server deployment	4
Backend – Sign up	
Landing Screen View	8

Sign In View	6
Register View	6
Navigation on tab bar	8
Dashboard View- Tab bar	16
Add bank View	12
Add bank Agree View	12
Account History View	12
Chat View- Tab bar	16
Tools View - Tab bar	8
Total:	234

Schedule:

Go-Labs will include two developers in the project in order to build all components parallelly.

Event	Time
Beginning Backend component	Week 1
Beginning iOS component	Week 3
End Backend component	Week 4
End iOS component	Half Week 5

Kickoff Agreements:

Project Documentation:

- documents will reside in the documents directory.
- Weekly reports will be delivered
- Readme files for projects

Communication:

- Weekly meetings with demos every friday at 2 pm (PST).
- Chat application (Slack)?
- Question mediums (email, slack, hangouts)?

Tracking and VCS:

- Youtrack
- Github (<https://github.com/Konviv>)