



ENGLISH LANGUAGE LEARNING APP ON FIREFOX OS

CLIENT OVERVIEW

Our client is a global organization specializing in international education opportunities. Our client provides knowledge sharing solutions and services in the fields of arts, higher education, schools, society and English language to cater to global audience. Our client specializes in online and offline language classes for all the age groups and prepares them for globally competent English language exams.

KEY REQUIREMENTS

- Content to be provided at different complexity levels like beginner, advanced and expert.
- Content should be delivered on a daily basis with weekly themes.
- A week's content should include a series of multiple learning pages followed by a set of quizzes.
- App should have in total content for 52 weeks at each level.
- Login based access for administrator to upload the content.
- Option for user to change/jump between the levels.
- Theme Index screen for the user to see the progress on the weekly themes

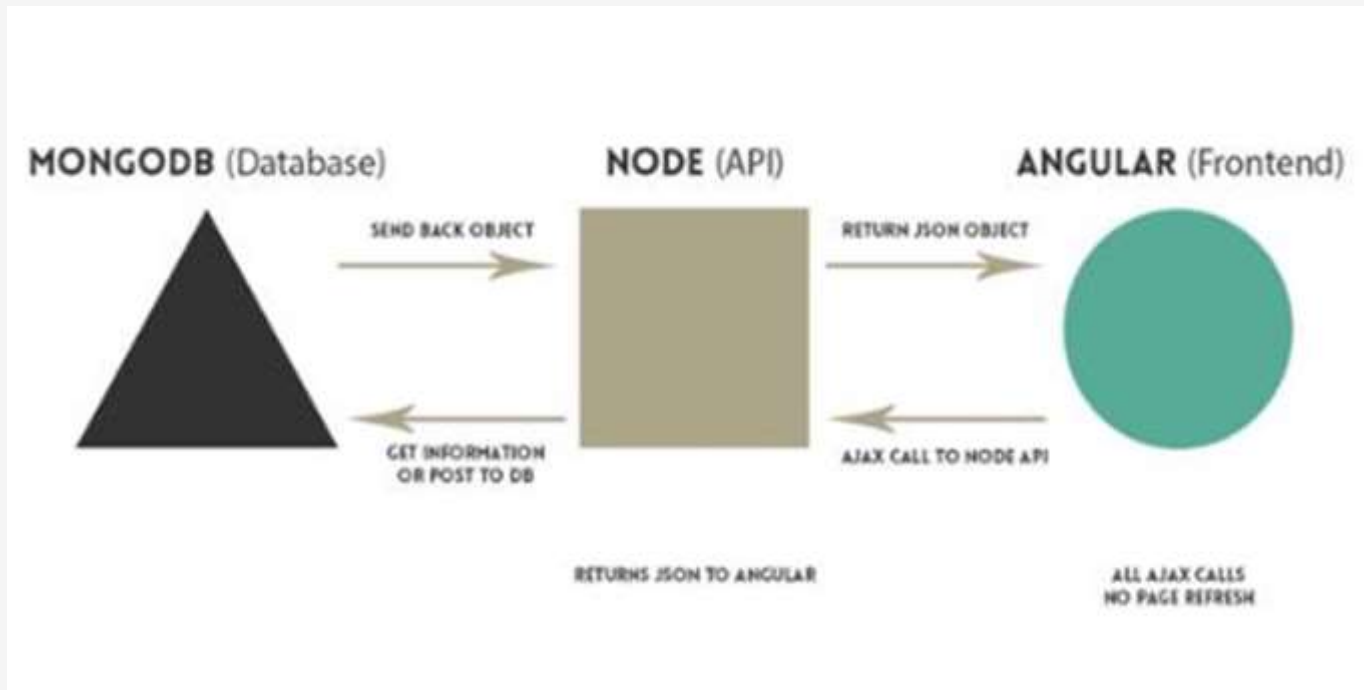
KEY CONTRIBUTIONS

- Designed and developed UI of the application using HTML5, Bootstrap and CSS3
- Used AngularJS as front end technology to enable code reusability.
- Used MongoDB to store document like objects.
- Used Node.js as server side technology due to its seamless integration with AngularJS and MongoDB.
- Used JSON for communication between frontend and backend.
- Added a login based UI feature to enable administrator to upload the content of the application which was then dynamically rendered by the frontend.
- Performed User Acceptance Testing to test the functionality of the application.
- Deployed the application on Amazon Cloud which provided High Availability and Failover feature for the entire application including the MongoDB database.

KEY BENEFITS

- Expanded global footprint by launching application on Firefox OS.
- High acceptance of application due to the ease of use and seamless user experience on mobile.
- Developed a hybrid application, which allows ease of porting across platforms thereby reducing cost and time to market.

HIGH LEVEL ARCHITECTURE



TECHNOLOGY STACK

Mobile Side:

- Firefox OS
- AngularJS
- HTML5
- JavaScript
- CSS
- Twitter Bootstrap

Server Side:

- Node.js
- MongoDB
- JSON



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.