Final Report

Invitations App

1. Introduction

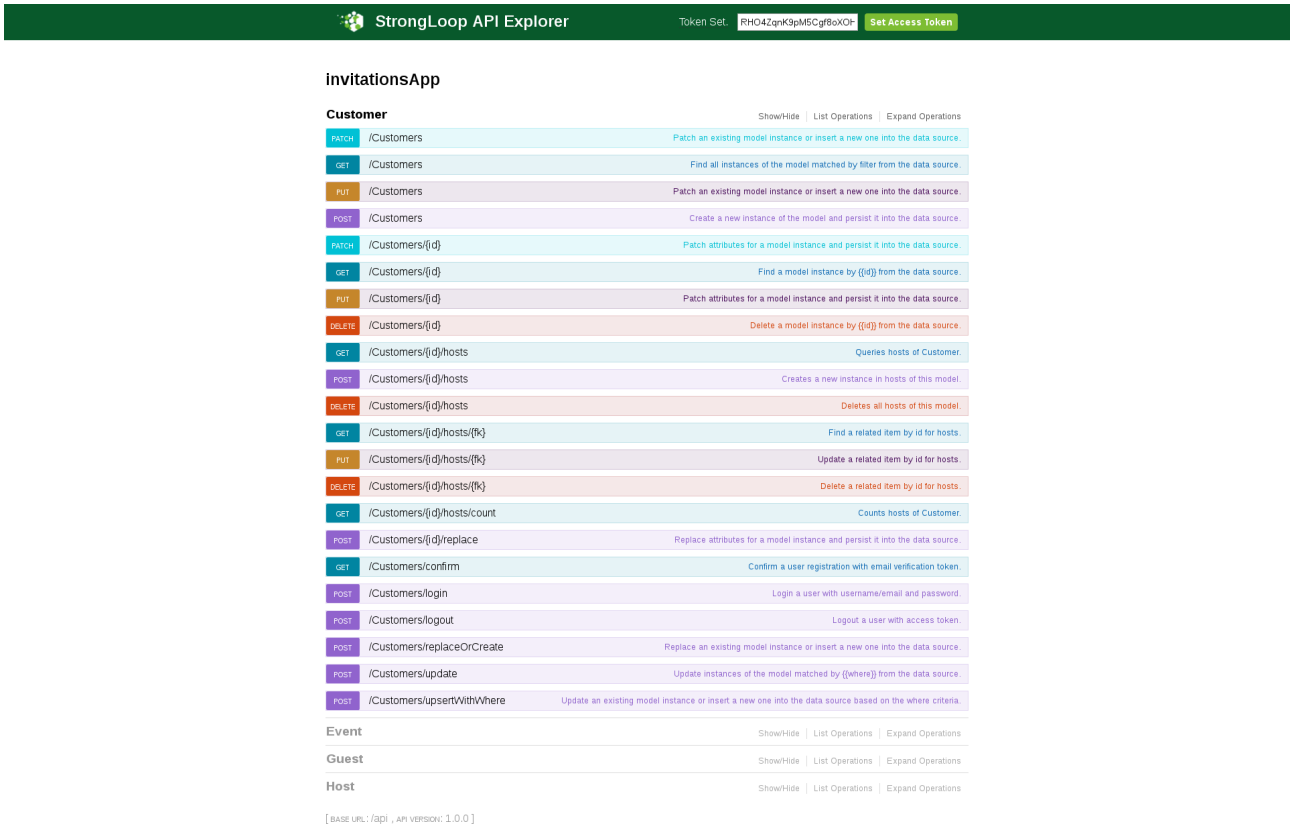
The invitationsAPP is an inovative software which can do the following:

• Be responsible for, given a person's/business' list of guests, send confirmation e-mails for events registered in the system.
• As a result, the system will provide accurate information to end-users about the number of people that should be participating in such event, enabling the end-user to plan the event's logistics ahead.

2. Design and Implementation

To achieve all the goals necessary for this project, the application was divided in three parts, which were:

- The REST API, implemented using loopback framework and mongodb database, is responsible for store all the data models and send e-mails to the guests, and some of the end points can be seen in the picture below:



- The web page, implemented using yeoman, yo, html, bootstrap, css, angularjs as can be seen below:

Home | About | Contact | Manage Hosts/Guests/Events | admin | Logout

InvitationsApp

We take inspiration from the World's best practices in organizing events, and create a unique experience for our users. Try out our features and you will notice how fast is to plan a party or event!!!

Home / Manage Hosts/Events/Guests

Registered Hosts

Name	Email	Phone	Photo	Contact Name	Contact Title	Action
joao	a	a	img/joao.jpg	a	a	Edit Host Manage Events
nw	w	w	ww	w	ww	Edit Host Manage Events

Edit/Create/Delete Hosts

Host Name Enter Host Name

Email Email

Phone Enter Phone Number

Photo Enter Photo path

Contact Name Enter Contact Name

Contact Title Enter Contact Title

Save Host | Delete Host

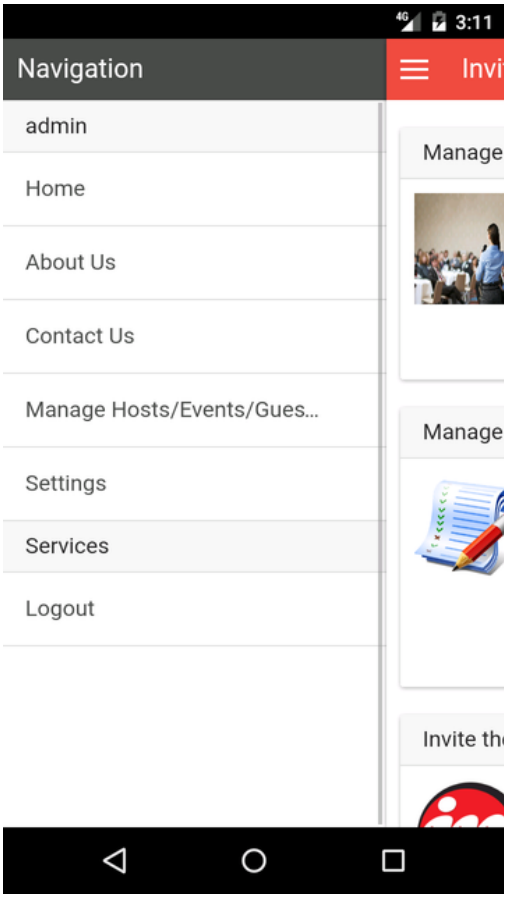
Links

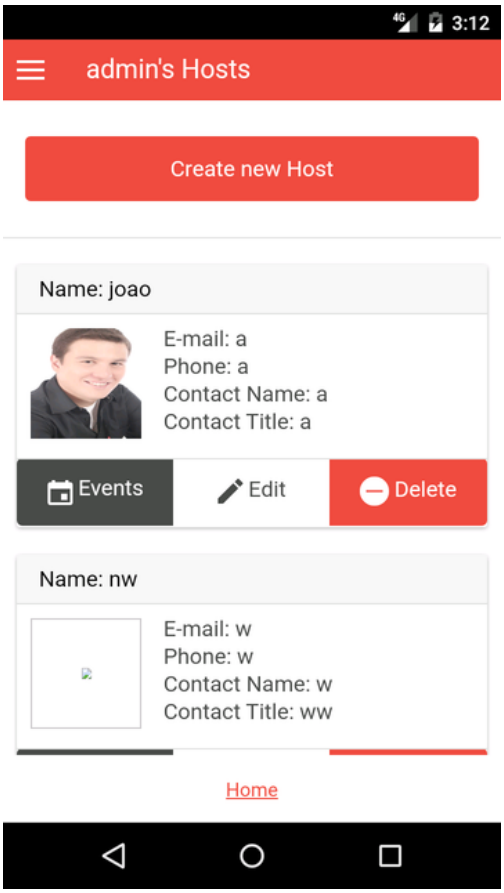
Home
Customer
About
Hosts
Events
Guests
Contact

Our Address

Eixo Monumental, Praça do Buriti, Lote 2, Ed. Sede do MPDFT
Brasília, Distrito Federal
Brazil
+55 61 3343 9500
setcoi@mpdft.mp.br

- The mobile app, implemented using Ionic frameworks has an appeareance like in the following pictures:





For the REST API implementation, the loopback's getting started example was followed from the app generation until the final aspect.

About the web page, the inspiration was taken from the conFusion app developed through this specialization.

Finally, the Mobile application was mostly developed using the Ionic framework scafolding tool.

Of course that all times, Mr Muppala's projects were a great font of insights about what to apply for the invitationsApp project.

As a process which is covering all parts of web development, it was very difficult to assimilate every aspect of the process in a first moment.

In a second moment, put all ideas in an organized way in the paper, or the planning part was also time consuming, but very important, because it provided good start points to the third part, the implementation.

During the implementation, as a beginner, there had been lots of backs and forward steps until a good methodology became in place, like folders organization, get started with all the scaffolding tools, configure correctly all the frameworks, mastering in the github and app deployment in production.

Another point to mention was about a changing on the models previously planned, which initially were enabled to access directly all the others (e.g.: a Guest could be created before a Host and their relationship was many to many, but that approach did not provide a good user experience).

3. Conclusions

With this specialization I could be able to develop a website and a mobile app to consume data provided by an api since the very first idea until the completion.

As the system has lots of “supporting features” that are not the core concept of the product, like authorization system, security, the work necessary to combine all of these features were harder than I thought previously.

Thinking on this aspect, I thought that it could be easier take the confusion app and just adapt the system to the invitationsapp, but the reality was that it was much easier to scaffold out the three parts from zero and follow the guides provided by the frameworks.

So, in the next new technologies I think I will try to follow the guides instead of adapt something already developed.

Finally, I would define less goals to be achieved or more time to conclude them since I could I could not complete the barcode generation on time. Anyway, I think that the ability to precisely set deadlines is something that someone can only do when they are more experienced on all the stack, what obviously was not the students’ case.

4. References

1. *InvitationsApp web application – https://invitationsapp.herokuapp.com;*
2. *InvitationsApp REST API – https://invitationsapp.herokuapp.com/explorer;*
3. *InvitationsApp REST API source code – https://github.com/tauvares/invitationsapp;*
4. *InvitationsApp Web source code – https://github.com/tauvares/invitationsapp-frontend;*
5. *InvitationsApp Mobile source code – http://github.com/tauvares/invitationsapp-mobile;*
6. *Report Files from InvitationsApp – http://github.com/tauvares/invitationsapp-frontend/docs;*