

Holiday Checker App

IMS16 – Cross Platform Development

Team members:

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Logo:



App idea

Title: Holiday checker

Slogan:

Check the app & pack your bag!

Features

- Check current location. The current location is requested by calling Google API Maps (Geolocation) that delivers the current address of the user, by sending longitude and latitude. Furthermore, the user can also change the location, to display the holidays of different countries. In order to view the countries, that are supported by the “HolidayChecker” Rest API, the user can search in the home page. Therefore, he/she can choose location manually.
- Date picker (date from/date to) functionality to choose the date and determine the period to filter the list of holidays.
- Show the list of holidays for the defined location and for the specified period of time.
- After filtering the results, the user can pick a specific holiday and click on this item, to have more information. In the item details view, a short description, photo and the holiday name in the local language of the chosen country, is shown.
- The user gets notified, if in today’s date, there is a holiday. In case there is a holiday, the notification is triggered and holiday’s event name, date and country is displayed in status bar of the mobile phone.

Tools and technology

Backend: Nodes.js, Express

Database: MongoDB (mLab/Online)

Deployed: Heroku -- <https://holiday-checker.herokuapp.com/>

Available endpoints:

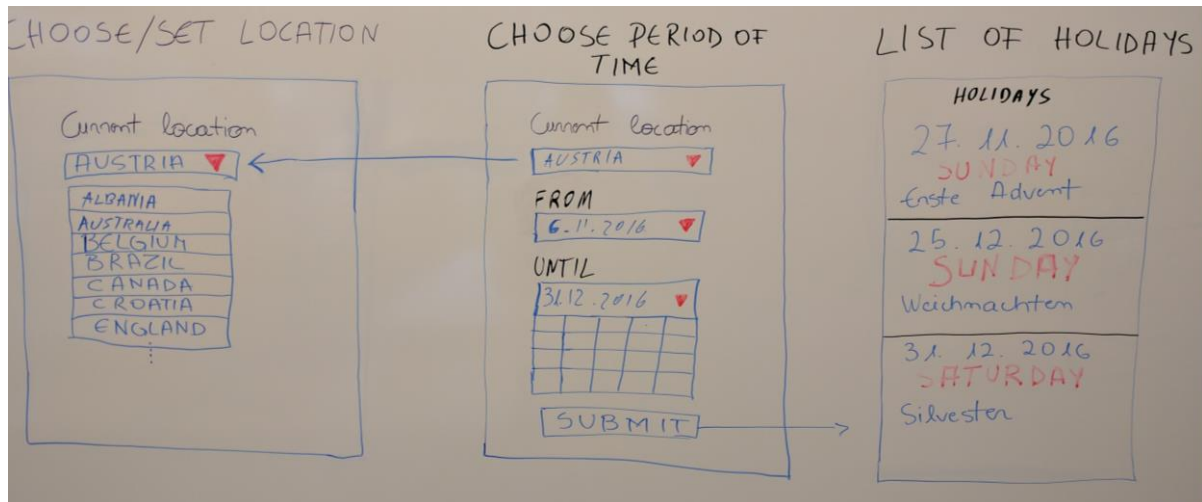
- Get the list of all holidays (returns all data saved in database):
<https://holiday-checker.herokuapp.com/api>
- Get the list of all holidays for a specific country:
<https://holiday-checker.herokuapp.com/api/:countryname>
- Get the list of all countries supported by API:
<https://holiday-checker.herokuapp.com/api/countries>
- Get the list of holidays, filtered by country, date to and date from:
<https://holiday-checker.herokuapp.com/api/:countryname/:datefrom/:dateto>
- Get detailed information about a holiday:
<https://holiday-checker.herokuapp.com/api/:event-details/:id>

Frontend: Ionic 2

Cordova Plugins:

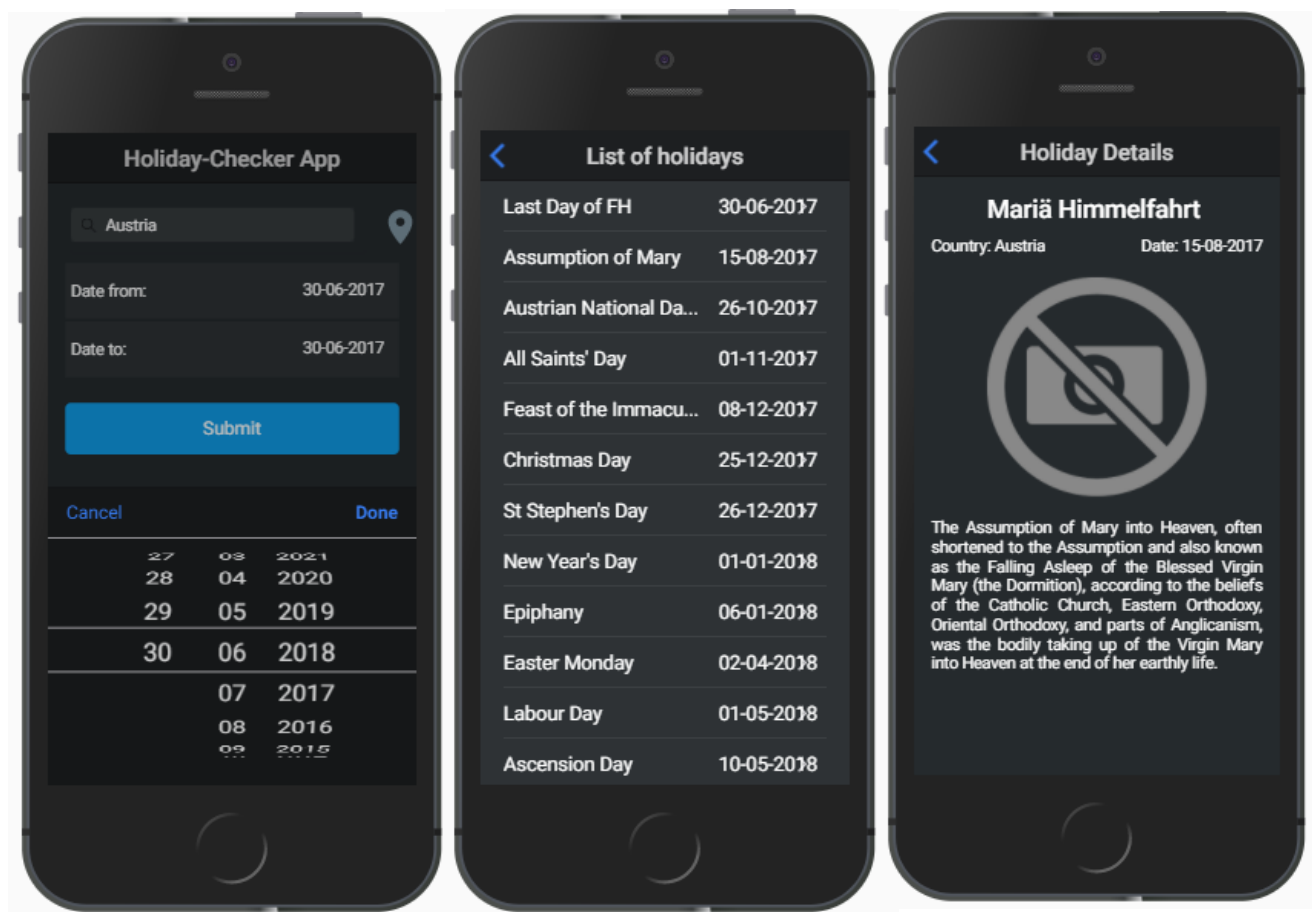
- cordova-plugin-app-event
- cordova-plugin-compact
- cordova-plugin-geolocation
- cordova-plugin-whitelist
- de.applant.cordova.plugin.local-notification

User Interface sketch

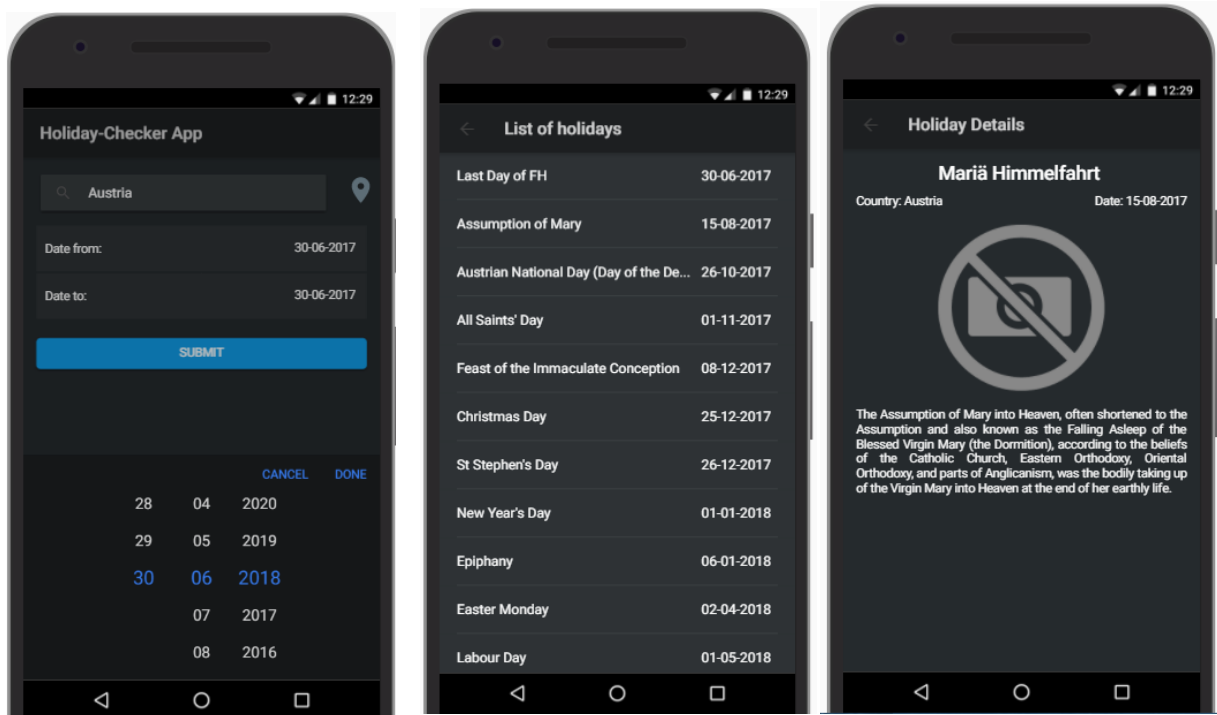


Graphical User Interface (GUI)

- IOS - Platform

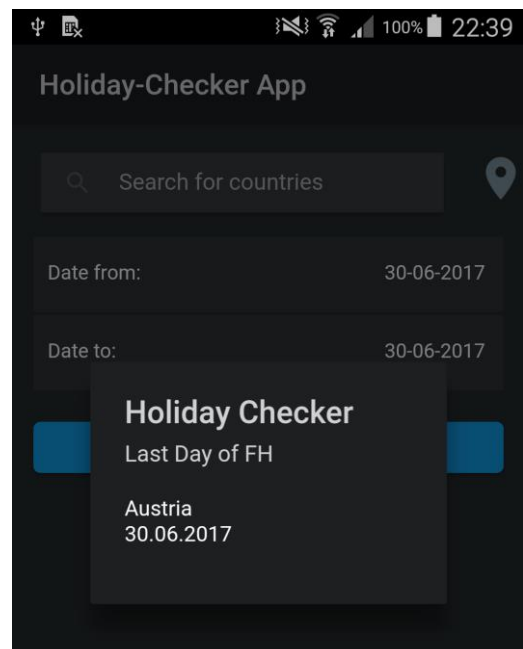
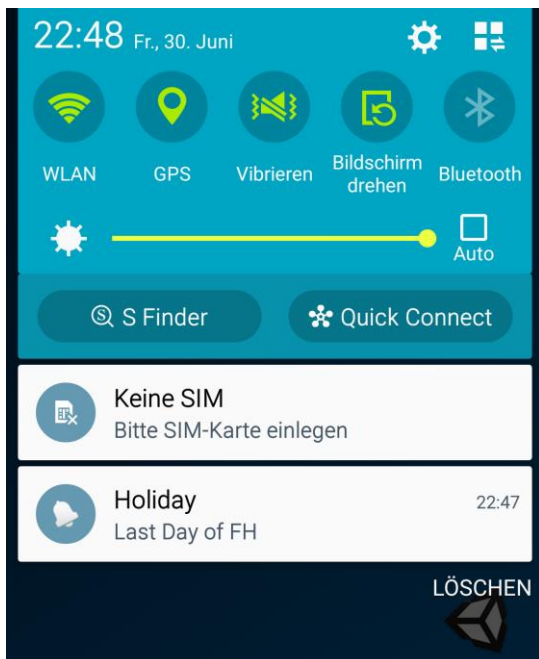


- Android Platform



The application is so configured, that it shows the no image available icon, for holidays, where no additional image was added.

The view for the local notifications:



User Stories / User needs

- As user, I want, that the application automatically detects my location so that I don't need to type it in.
- As user, I want the application to display the holidays depending on my current location.
- As user, I want to be able to check for holidays of other countries, so that I can check when my friends from other countries have holidays.
- As user, I want to check the holidays for different periods (week, month, year), so that I can plan my holidays ahead of time.
- As user, I want to get notified about the holidays automatically.

Software Engineering Method

As software engineering method, will be mostly used the agile software development technique, **SCRUM**.