Test task

Implement restful web application with frontend and backend.

Non functional requirements:

The application logic should be written in a functional style and in front-end should be used Ecmascript6 and other options are available to choose for development. UX and design won't be evaluated by this task, but prefered to use in project Bootstrap

Programming languuges (one of options):

- Java
- Scala
- Kotlin

DataStore (one of options):

- MongoDB
- SQLite
- H2
- ElasticSearch

Frameworks (back end options):

- Spring Framework
- J2EE
- Akka
- Vertx.io

Frameworks/Libraries (front end options):

- AngularJS
- React
- Elm

Project builder tool (one of options)

- Maven
- SBT
- Gradle

In addition, front-end part should be packaged with webpack or gulp.

Testing:

- For testing RESTful web service use REST-assured (https://code.google.com/p/rest-assured/)
- For testing User Interface use SeleniumHQ (http://docs.seleniumhq.org/) or Jasmine (http://jasmine.github.io/edge/introduction.html)

Functional requirements:

Conference management:

- Create new conference
- Cancel conference
- Check conference room availability (based on registered participants and conference room max seats)

Conference participant management:

- Add participant to conference
- Remove participant from conference

Datastore specification:

Conference	
Name	Conference name, max length 150 characters
Date time	Conference date & time

Participant	
Full name	Person full name
Birth date	Date of birth

Conference room	
Name	Room name, like "M/S Baltic Queen conference"
Location	M/S Baltic Queen
Max seats	124

NB!!! This is only approximate structure. Other fields, which are required to fulfill application requirements should be thought out by own self.

Result should be stored on GitHub or BitBucket and link sent to robert.kaev@tallink.ee and yury.repeshov@tallink.ee.