ITC357-Assignment 1 Report

Ben Formosa 11429074

Build and Deploy

I tested using Tomcat 7 on Ubuntu:

```
$ /usr/share/tomcat7/bin/version.sh
Using CATALINA_BASE:   /usr/share/tomcat7
Using CATALINA_HOME:   /usr/share/tomcat7
Using CATALINA_TMPDIR: /usr/share/tomcat7/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /usr/share/tomcat7/bin/bootstrap.jar:
                       /usr/share/tomcat7/bin/tomcat-juli.jar
Server version: Apache Tomcat/7.0.52 (Ubuntu)
Server built:   Feb 27 2014 12:18:34
Server number:  7.0.52.0
OS Name:        Linux
OS Version:     3.13.0-32-generic
Architecture:   amd64
JVM Version:    1.7.0_55-b14
JVM Vendor:     Oracle Corporation
```

I built and deployed using Tomcat Manager and this script:

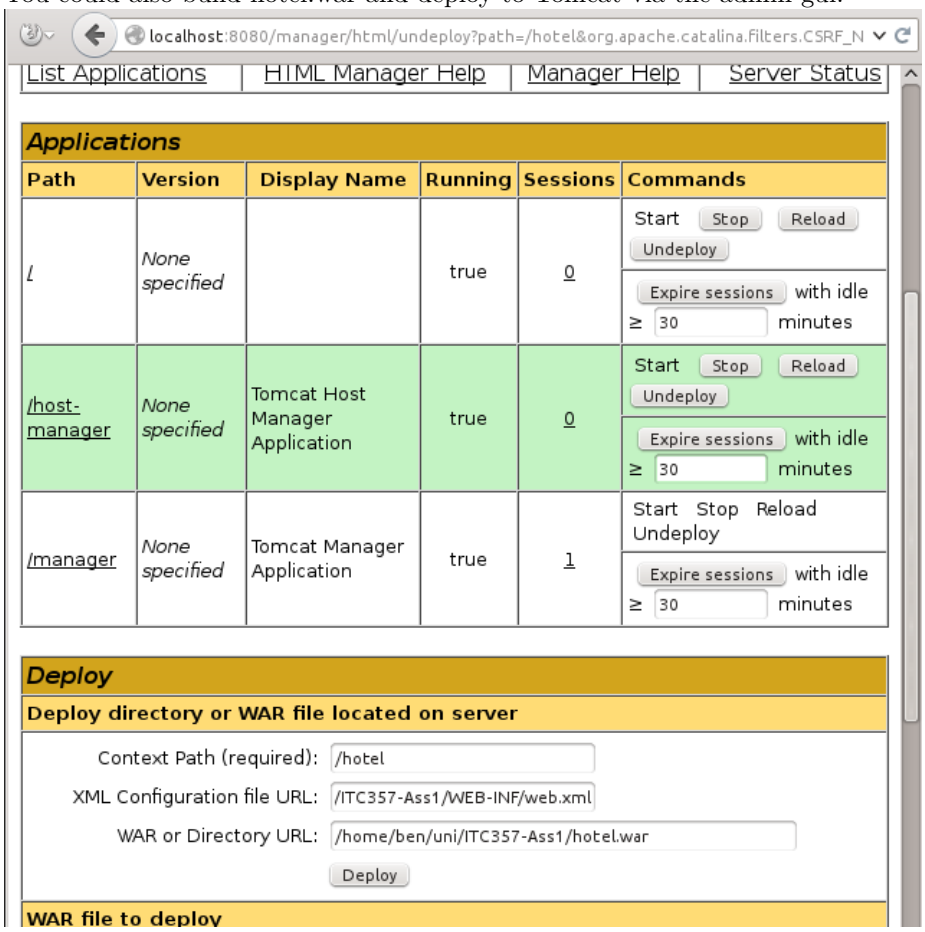
```
#!/bin/bash
rm hotel.war
rm -r WEB-INF/classes/*

base="http://tomcat:tomcat@localhost:8080/manager/text"
uri=$base"/undeploy?path=/hotel"
wget -q $uri -O -

javac -sourcepath src/ -d WEB-INF/classes \
  -classpath /usr/share/tomcat7/lib/servlet-api.jar src/*/*.java
jar -cf hotel.war *.jsp WEB-INF/ static/
```

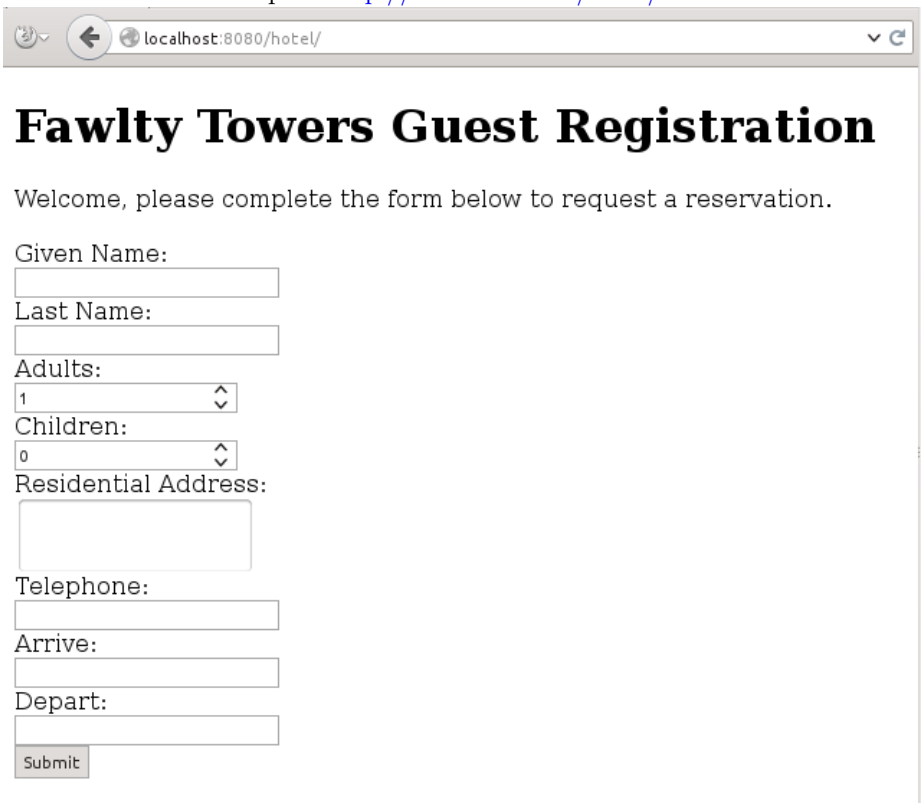
```
uri=$base"/deploy?war=file:/home/ben/uni/ITC357-Ass1/hotel.war&path=/hotel"
wget -q $uri -O -
```

You could also build hotel.war and deploy to Tomcat via the admin gui.

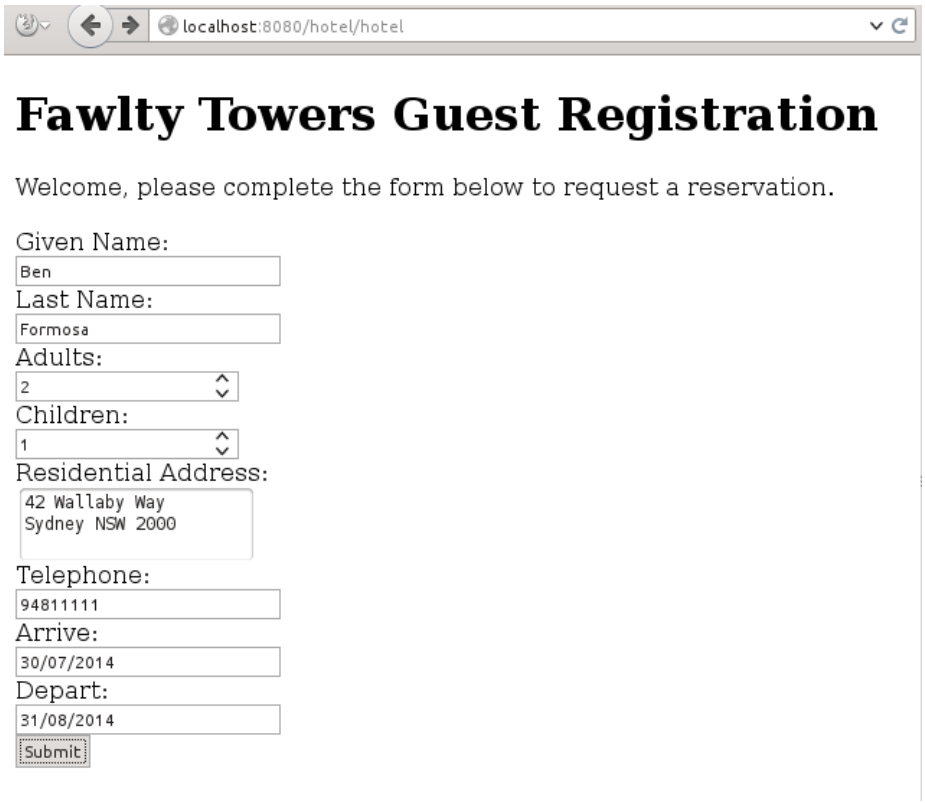


Run

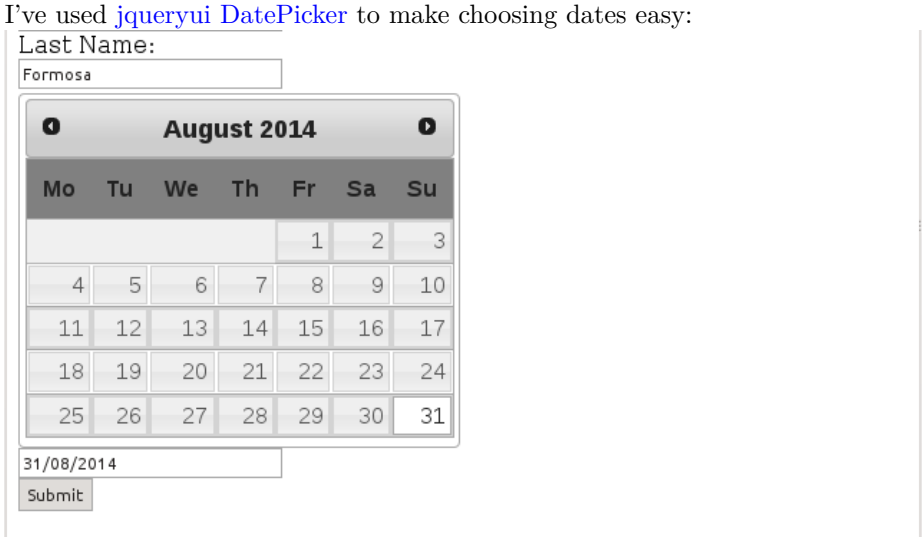
Browse to the context path http://localhost:8080/hotel/:



Fill in details:



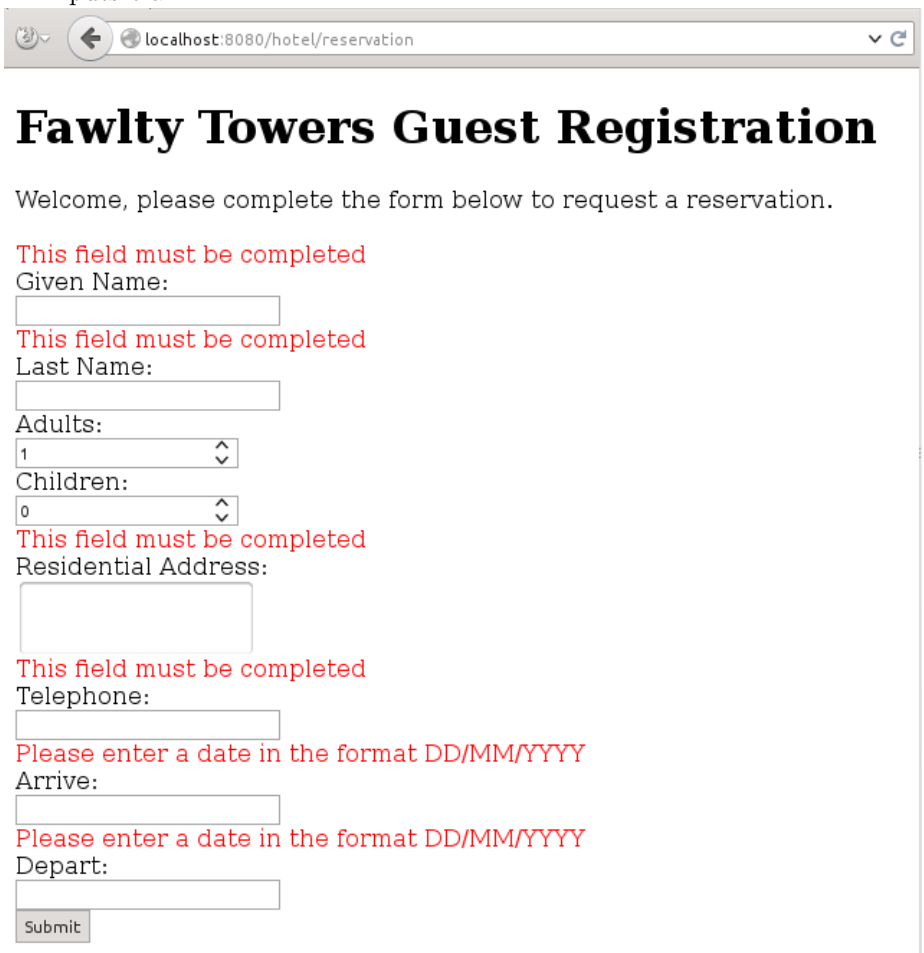
I've used jqueryui DatePicker to make choosing dates easy:



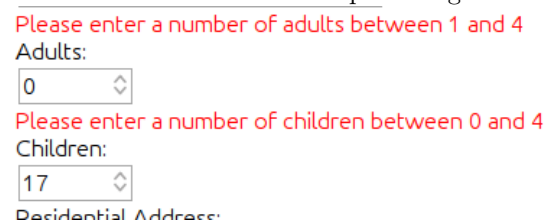
Click Submit

Validation

All inputs blank:



Adults or children out of accepted range:



Date input cannot be converted to a Date object:

Please enter a date in the format DD/MM/YYYY
Arrive:
20140730
Please enter a date in the format DD/MM/YYYY
Depart:
31072014
Submit

Arrival date is in the past:

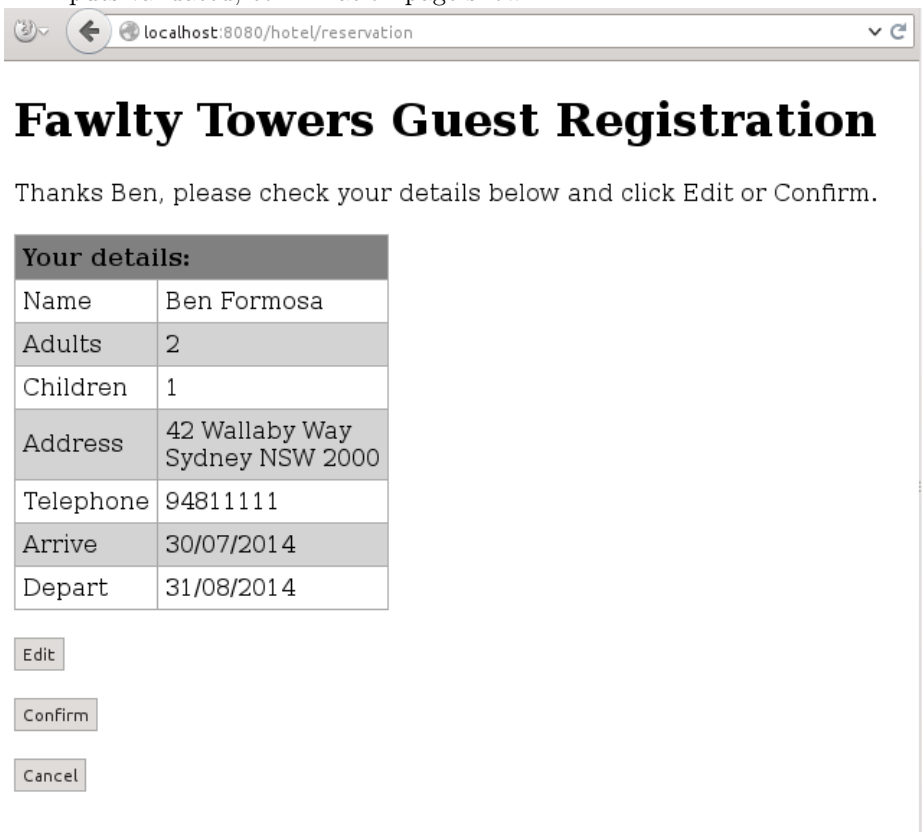
Telephone:
94811111
Please enter a date in the future
Arrive:
01/07/2014
Depart:
31/08/2014
Submit

Departure date is before arrival date:

Telephone:
94811111
Arrive:
30/07/2014
Please enter a departure date which is after the arrival date
Depart:
01/07/2014
Submit

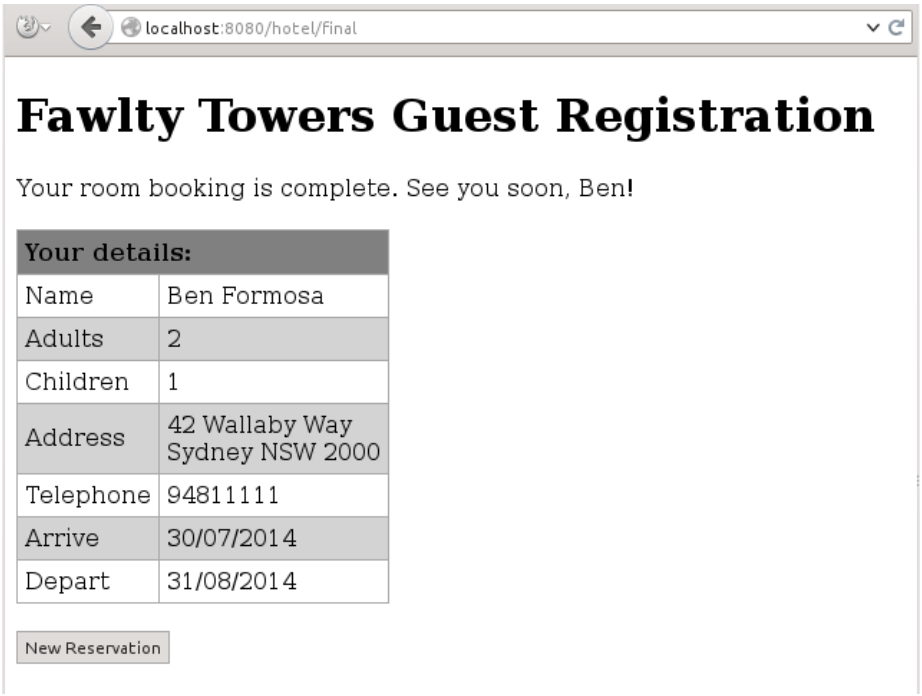
Confirmation

All inputs validated, confirmation page shown:



Clicking Edit will submit a hidden form back to the original page with all your details filled in.

Clicking Confirm will take you to a reservation finalised page:



Clicking Cancel on the confirmation page or New Reservation on the final page will take you back to the start with a blank form.