

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.

The screenshot shows the Tomcat Manager web interface. The browser address bar indicates the URL: `localhost:8080/manager/html/undeploy?path=/hotel&org.apache.catalina.filters.CSRF_N`. The interface has a navigation bar with links: [List Applications](#), [HTML Manager Help](#), [Manager Help](#), and [Server Status](#).

The main content area is divided into two sections: **Applications** and **Deploy**.

Applications Table:

Path	Version	Display Name	Running	Sessions	Commands
/	None specified		true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes

Deploy Section:

Deploy directory or WAR file located on server

Context Path (required):

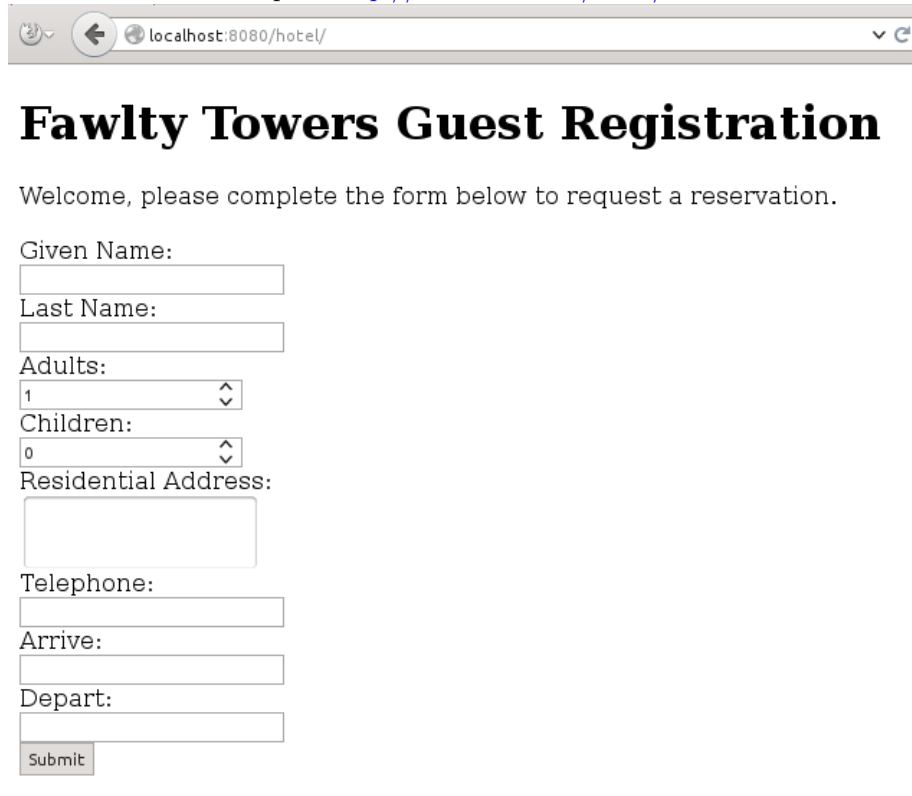
XML Configuration file URL:

WAR or Directory URL:

WAR file to deploy

Run

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



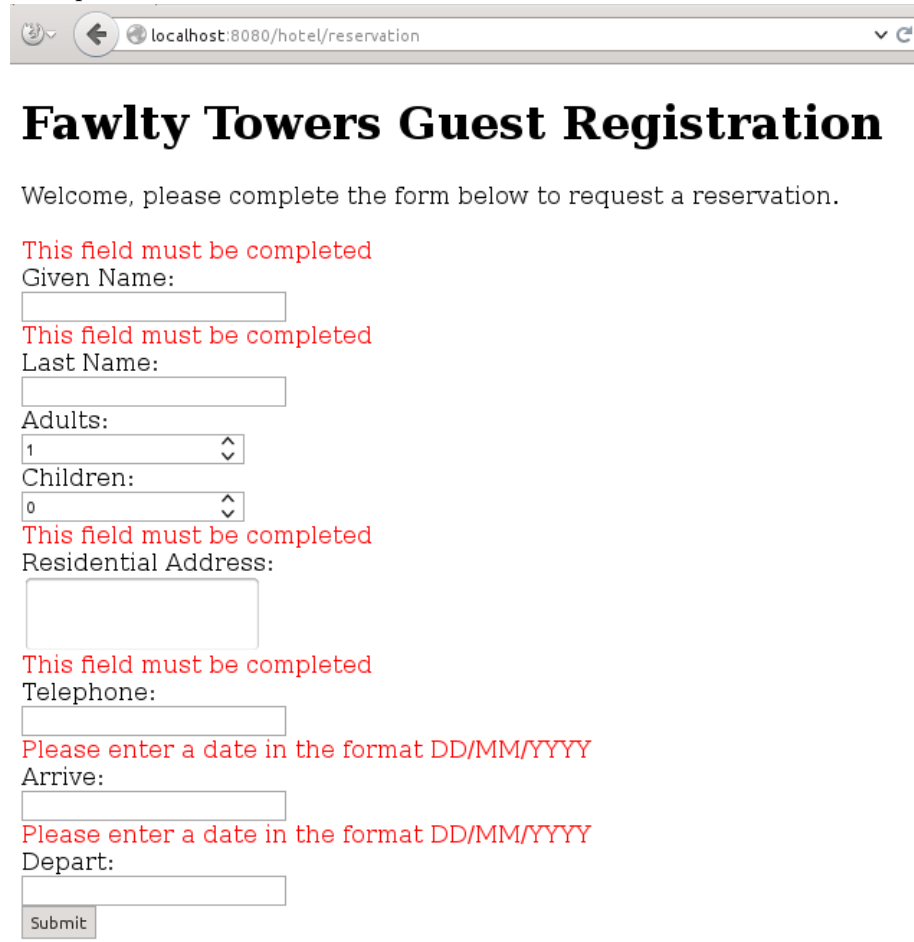
The screenshot shows a web browser window with the address bar displaying 'localhost:8080/hotel/'. The page title is 'Fawlty Towers Guest Registration'. Below the title, a welcome message reads: 'Welcome, please complete the form below to request a reservation.' The form contains the following fields and controls:

- Given Name:** A text input field.
- Last Name:** A text input field.
- Adults:** A dropdown menu with '1' selected.
- Children:** A dropdown menu with '0' selected.
- Residential Address:** A text input field.
- Telephone:** A text input field.
- Arrive:** A text input field.
- Depart:** A text input field.
- Submit:** A button at the bottom of the form.

Fill in details:

Validation

All inputs blank:



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/hotel/reservation'. The page title is 'Fawlty Towers Guest Registration'. Below the title, a welcome message says 'Welcome, please complete the form below to request a reservation.' The form contains several fields with red error messages above them: 'Given Name:', 'Last Name:', 'Adults:' (with a dropdown menu showing '1'), 'Children:' (with a dropdown menu showing '0'), 'Residential Address:', 'Telephone:', 'Arrive:' (with a date input field), and 'Depart:' (with a date input field). A 'Submit' button is at the bottom of the form.

Adults or children out of accepted range:

Please enter a number of adults between 1 and 4

Adults:

Please enter a number of children between 0 and 4

Children:

Residential Address:

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

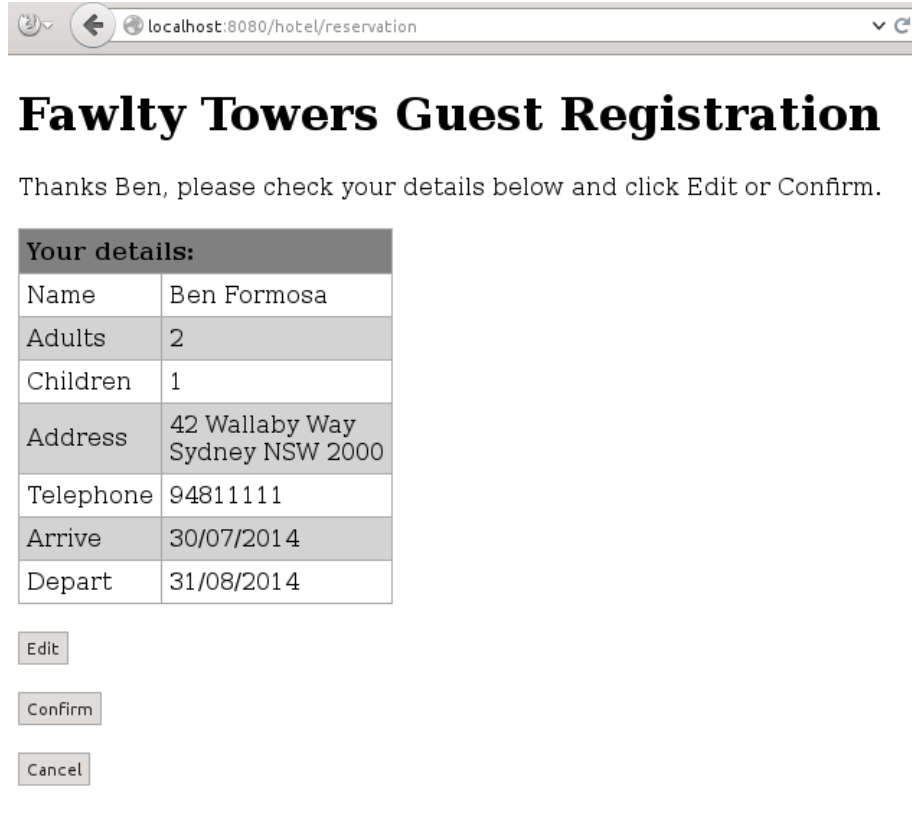
Depart:

01/07/2014

Submit

Confirmation

All inputs validated, confirmation page shown:



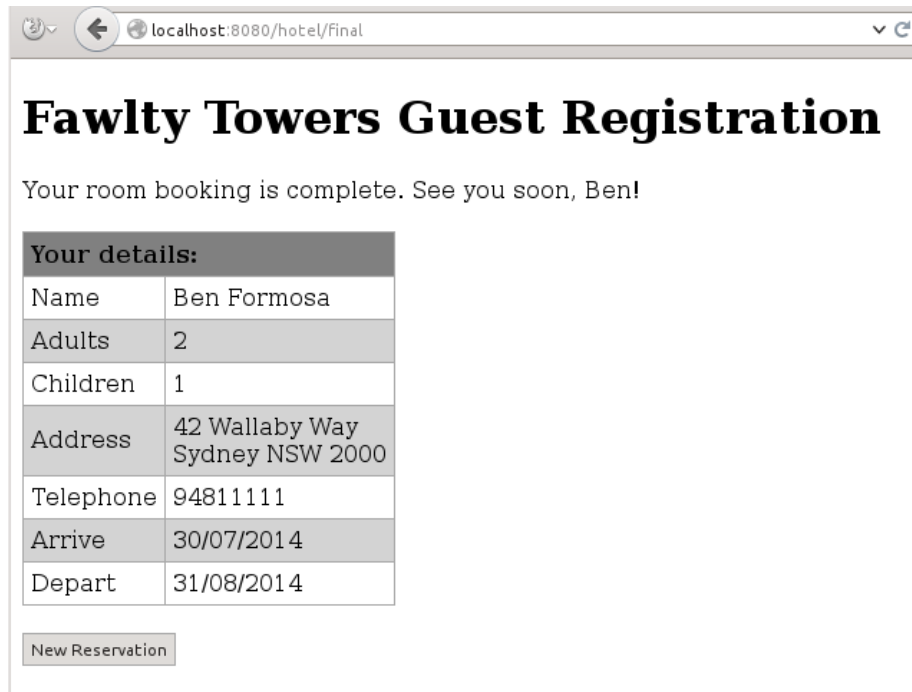
The screenshot shows a web browser window with the address bar displaying 'localhost:8080/hotel/reservation'. The page title is 'Fawlty Towers Guest Registration'. Below the title, a message reads: 'Thanks Ben, please check your details below and click Edit or Confirm.' A table titled 'Your details:' contains the following information:

Name	Ben Formosa
Adults	2
Children	1
Address	42 Wallaby Way Sydney NSW 2000
Telephone	94811111
Arrive	30/07/2014
Depart	31/08/2014

Below the table are three buttons: 'Edit', 'Confirm', and 'Cancel'.

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:



Fawlty Towers Guest Registration

Your room booking is complete. See you soon, Ben!

Your details:	
Name	Ben Formosa
Adults	2
Children	1
Address	42 Wallaby Way Sydney NSW 2000
Telephone	94811111
Arrive	30/07/2014
Depart	31/08/2014

[New Reservation](#)

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