

ITC357-Assignment 1 Report

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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/
```

BUILD AND DEPLOY

```
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 Apache Tomcat Manager interface at `localhost:8080/manager/html/undeploy?path=/hotel&org.apache.catalina.Filters.CSRF_N`. The top navigation bar includes links for List Applications, HTML Manager Help, Manager Help, and Server Status. The main content is divided into two sections: **Applications** and **Deploy**.

Applications: This section lists currently deployed applications. The table has columns: Path, Version, Display Name, Running, Sessions, and Commands.

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: This section provides fields for deploying a WAR file. It includes fields for Context Path (required), XML Configuration file URL, WAR or Directory URL, and a Deploy button.

Deploy directory or WAR file located on server	
Context Path (required):	/hotel
XML Configuration file URL:	/ITC357-Ass1/WEB-INF/web.xml
WAR or Directory URL:	/home/ben/uni/ITC357-Ass1/hotel.war
Deploy	

WAR file to deploy

Run

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

The screenshot shows a web browser window with the URL `localhost:8080/hotel/` in the address bar. The page title is **Fawlty Towers Guest Registration**. The page content includes a welcome message: "Welcome, please complete the form below to request a reservation." Below this are several input fields:

- Given Name:
- Last Name:
- Adults: (with up and down arrows)
- Children: (with up and down arrows)
- Residential Address:
- Telephone:
- Arrive:
- Depart:
-

Fill in details:



The screenshot shows a web browser window with the URL "localhost:8080/hotel/hotel". The page title is "Fawlty Towers Guest Registration". The form contains fields for Given Name (Ben), Last Name (Formosa), Adults (2), Children (1), Residential Address (42 Wallaby Way, Sydney NSW 2000), Telephone (94811111), Arrive Date (30/07/2014), Depart Date (31/08/2014), and a Submit button.

Fawlty Towers Guest Registration

Welcome, please complete the form below to request a reservation.

Given Name:

Last Name:

Adults:

Children:

Residential Address:

Telephone:

Arrive:

Depart:

I've used [jqueryui Datepicker](#) to make choosing dates easy:

Last Name:



Click Submit

Validation

All inputs blank:

The screenshot shows a web browser window with the URL `localhost:8080/hotel/reservation`. The page title is **Fawlty Towers Guest Registration**. The form contains several input fields, each with a red validation message:

- Given Name:** This field must be completed
- Last Name:** This field must be completed
- Adults:** Please enter a number of adults between 1 and 4
- Children:** Please enter a number of children between 0 and 4
- Residential Address:** This field must be completed
- Telephone:** This field must be completed
- Arrive:** Please enter a date in the format DD/MM/YYYY
- Depart:** Please enter a date in the format DD/MM/YYYY

At the bottom left, there is a note: **Adults or children out of accepted range:**

Adults: Please enter a number of adults between 1 and 4

Children: Please enter a number of children between 0 and 4

Residential Address:

Submit

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 URL `localhost:8080/hotel/reservation`. The page title is **Fawlty Towers Guest Registration**. The content area displays a table of guest details with alternating row colors. At the bottom are three buttons: **Edit**, **Confirm**, and **Cancel**.

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

Edit
Confirm
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:

The screenshot shows a web browser window with the URL `localhost:8080/hotel/Final`. The main content is titled "Fawlty Towers Guest Registration". Below the title, a message says "Your room booking is complete. See you soon, Ben!". A table titled "Your details:" displays the following information:

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

At the bottom left of the form area, there is a button labeled "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.