Following changes made from school version:

1. Using PostgreSQL database instead of MySQL
2. Web.xml - changed to refer to Postgres

<resource-ref>

<description>DB Connection</description>

<res-ref-name>jdbc/postgresqlconnector</res-ref-name>

<res-type>javax.sql.DataSource</res-type>

<res-auth>Container</res-auth>

</resource-ref>

1. Created META-INF folder under webapp
2. Copied context.xml from C:\Program Files\Tomcat\apache-tomcat-7.0.39\conf folder under META-INF and modified copy as shown below to below for postgres:

<?xml version="1.0" encoding= "UTF-8"?>

<Context>

<Resource name="jdbc/postgresqlconnector" auth="Container" type="javax.sql.DataSource" maxActive="100" maxIdle="30" maxWait="10000" username="postgres"

password="J29yUr87" driverClassName="org.postgresql.Driver" url="jdbc:postgresql://127.0.0.1:5432/travel\_planner?autoReconnect=true" />

</Context>

Note: I am doing this as the Tomcat server is embedded, and Heroku needs to be able to use JNDI connection referenced through context.xml

1. Added following to pom.xml (Project Object Model) file:

<dependency>

<groupId>postgresql</groupId>

<artifactId>postgresql</artifactId>

<version>9.1-901.jdbc4</version>

</dependency>

<dependency>

<groupId>jstl</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

1. Changed Service implementations from lookup path of jdbc/mysqlconnector to jdbc/postgresqlconnector

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9/28/13

1. Added environmental contexts to Main class, but don't understand why this is not be picked up from web.xml that is being read!!!
2. Updated UserSvcImpl, FavoriteListSvcImpl, and TravelPlanSvcImpl to use PGConnectionPoolDataSource for database connection
3. Added environment entries that were in web.xml to Meta-inf/context.xml, but does not seem to be reading web.xml or context.xml environment variables. Having to stick with loading environment variables in Main class for some reason????
4. Success. Application is running, and able to create favorite lists, items, and travel plans, with persistence to postgresql database. Need to update with latest version of files, and try putting on Heroku.

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9/29/13

1. Created database on heroku and added table entries.
2. Changed database settings in META-INF/context.xml file as well as Main.java file. Not sure if context.xml is even being used or read?? Had to change the username, password, and URL in context.xml, also changed maximum number of connections to 5 as that is what is shown as being supported on heroku. In the Main.java changed the following:

PGConnectionPoolDataSource dataSource = new PGConnectionPoolDataSource();

dataSource.setServerName("ec2-107-21-120-102.compute-1.amazonaws.com");

dataSource.setPortNumber(5432);

dataSource.setDatabaseName("dfhlo3ueqaut0m");

dataSource.setUser("svdiufdculjrdb");

dataSource.setPassword("2XiPTyo\_CX0gVEYeBBoWPb\_SCB");

dataSource.setSsl(true); // this got added

1. Success. This got the application running on heroku and communicating with the postgresql database.