King Abdul Aziz University

Faculty of Engineering - Girls' campus

Training Unit

الشؤون التعليمية

جامعة الملك عبد العزيز

كلية الهندسة ــ شطر الطالبات

وحدة التدريب

Student Training Weekly Notes

<table>
<tr>
<td rowspan="2">Student's Information</td>
<td>Name of Student:</td>
<td></td>
<td>Name of Organization:</td>
<td>Deanship of information technology</td>
</tr>
<tr>
<td>University No:</td>
<td></td>
<td>Specialization:</td>
<td>Electrical and Computer Engineering</td>
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Sunday 12/6/2016	1. The technical supervisor asked me and my team to build an application that uses a barcode scanner to manage a warehouse. 2. I read in the internet about how to build a warehouse-manager application with a barcode scanner and database. The reading provided me with a deep understanding on how to scan a barcode, and update and create new products in a database. 3. I followed the four basic phases which are: analyzing, designing, programming and testing to create a professional application. 4. I started with the analyzing phase by defining the input, the function and the output of the application.
Monday 13/6/2016	1. I started the designing phase of the barcode scanner (warehouse) application by doing the following: ✓ Create the user interface of the application which is: start screen and scanning screen. ✓ Create the warehouse database which contains user and products databases. ✓ Added the services which are: • **Login service** – for existing users, there is a login service. To log in to the database, provide the

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	user's username and password. • **Logout service**. • **Create service** – used to create new objects. • **List service** – is a simple GET command, which lists the collection content. • **Update service** – used to update objects. • **Query service** – used to use queries on the database. ✓ Invoked services by adding events to the buttons.
Tuesday **14/6/2016**	1- Continue working on the same application (applying the programming phase). 2- Testing and launching the application created in Appery.io by using the Appery.io mobile tester.
Wednesday **15/6/2016**	1- I started writing the documentation of the barcode scanner application (by describing the four phases of the application in details and explain what the application does and why it exists).
Thursday **16/6/2016**	1- Continue working on the documentation.

- **(Please fill this form electronically day by day even though you were absent one day write that you were absent, and send it every <u>Friday by 12:00 a.m. MAX</u>.)**
- build an application with a barcode scanner and database to manage the computers in the king Abdul Aziz university.