Ain Shams University

Faculty of Computer and Information Sciences

Data Strucutres   Project

Title	Your Expert Doctor
Description	• The application is used to guess the Disease based on the Symptoms. • The application will self learn during the user describes the symptoms to refer the most matched disease from its knowledge base.
Group size	3 - 5 members.
Duration	4 weeks.
Deliverables	An android application that follows this process:- • Choose minimum 5 diseases then collect (from 10 15) Symptoms of each one. • Categorize the symptoms of all diseases. • The user (patient) starts the application to answer yes/ no questions based on his symptoms (ex: have a headache?) and so on. • Finally the expert system inside the application will guess the disease according to the user answers.
Bonus extensions	
Mentor	TA. Loubna Ahmed
Notes	In order to implement this app you'll need to self study how to develop: - Android Applications. - Android Website: http://www.android.com/ - This is one of the books that can help you: http://ividi.org/index.php/lp?lpt=3&fln=Hello_Android_3rd_edition_July_2010 To start development you should install : 1. The current IDE would be eclipse for java. http://www.eclipse.org/downloads/ 2. In the following link you will be able to download the android "SDK" in order to get started. http://developer.android.com/sdk/index.html 3. Kindly choose the installer version under windows for simpler installation Upon completion please follow the steps in the link below to setup the development environment. http://developer.android.com/sdk/installing.html