CMSC435: Software Engineering Spring 2010

STUDENT'S NAME: _____

*You represent a software development company that is responding to the following three "**open calls for tenders**." Respond to each call by providing (a) a short description of the architecture of the software that you will develop; mention tiers, modules, and technologies, (b) the time (provide timeline) that it will take you to develop the software, and (c) the cost in $$ with justification and staffing needs.* ***Remember that you are competing with other companies for these projects – be as clear and concise as possible.***

PROJECT 1: We need a carpool software (and a supporting website) that can be used by companies around the globe and has features of any carpool website. Clients (Companies) should be able to download and use it to manage their internal carpool needs. It would work very similar to many carpool websites out there. It must be downloaded from our website and locally present on each computer of the client network. In the beginning it could be downloaded for a trial period of one to three months but later would be offered on a yearly license fee basis. Our company should be able to own Copyright of the software and change license fees. Details may be altered based on the needs at the project implementation stage before completion.

PROJECT 2: I run a small bookstore on Main street. I would like to make my books (I stock approximately 1000 titles) available on the Internet for sale. I will accept credit cards. Customers should be able to browse the catalog, view other customers' reviews of the books, and place orders. They should be able to select a shipping method (express, etc.), or "pick up in store". In the future, I would like to make some other products (greeting cards, etc.) also available for sale online.

PROJECT 3: Looking for software for small doctor's office. Technician should be able to add data for patient and his/her hematology report. Patients' data and one hematology report contains around 25 fields. Get printed on letterhead and stored on disk for later record. Software should allow addition of more reports for each patient. Need source-code for future development.