Specification Document--Initial Draft

Project submissions are always hardcopy in loose leaf binder
Due Thursday, February 4, 2016

General project document specifications:

- One document submission per team
- **Professional appearance is required**
- Materials in a loose leaf binder.
- Cover page including title of project, group members, dates of versions.
- Labeled section dividers.
- **NO hand drawn pages; nothing hand written**; use a drawing package and editor.
- Hole-punch all papers at the **left** on portrait orientation; at the **top** on landscape orientation.
- Hole punches MUST be accurately centered. The hole punch in TMB110 is often skewed; but it is an accurate punch when used correctly.
- Each form/report starts on a separate page in this document for easy updating and minor changing of the document.
- Every page is dated and tagged with its filename. Documents should always include team member names

These general document specifications above apply throughout the semester.

General notes

This is a first attempt at a specification document--I don't expect it to be 100% complete. There may be some requested revisions of the contents of this document throughout the semester, but you certainly need something substantial to start with. It will serve as a draft "contract" of what you will try to produce by the end of the semester, but it will likely change greatly in the end. You will not have to revise it to match the final project.

This specification document will ultimately help you identify and understand the data you need in the database.

The original specification describes forms and reports that you need to include in the implementation. However, as you determine the data you will need for these forms and reports, **you will also need additional forms to enter, edit and delete ALL of this data.** This is not explicit in the description, unfortunately. The data does not appear magically in the database. **You must provide those additional forms to add, delete, and correct all data.**

Based on these specifications, the instructor will designate the actual forms and reports that are expected to be implemented.

Do items 1-4 for EACH form or report your database project requests:

1. A sketch of the forms and reports to be found on the user interface with all forms controls

- You may use any drawing tool (Dreamweaver, Powerpoint, Visual Studio, Word, LibreOffice) to prototype your forms (you'll likely use a web interface in the end for the final project). But you must use a drawing tool.
- Each form must be on a separate page (name each form)
- All forms control (text fields, buttons, drop down lists, etc.) must be named; label fields excepted

2. A description of what happens when each control is used (form only)

- What application procedure (or a general description of processing that) is executed
- What changes in the form that can occur (field updates, etc.)
- What error situations can arise and what should happen in those cases
- Information input by user (text fields)
- Textual description of what happens on text field changes, or button clicks or menu choices.
- List of conditions under which it succeeds or fails and what happens in each case

3. A description of the reports you expect to generate (report only)

- sketch a layout of each form
- describe when each is to be generated and/or what causes the report to be generated
- **note that you will need to implement at least 3 of these reports in the final project.**

4. Integrity constraints of the enterprise applied to the data (both)

- What limits are there or validation must there be on the data? e.g. future dates only, or past dates only, name or id must already exist, etc.
- How might certain data be constrained by other values elsewhere in the system?
- This will be an on-going list, but see what you can identify now.

5. Throughput and response time constraints

- Identify any response times that you can.
- This is not crucial for this course but in real productions, it would be something to be negotiated with the client.

6. Normally you would include the following project planning information, but this project is driven by the course schedule and is not necessary here.

- Milestones
- Deliverables
- Costs