# XX 5960: Master’s Research Project – Experiential Report

## Prepared by: (team members’ names)

## Project title

### Semester and Year

### Course Number and Section

### Instructor’s Name

## Description of the intended user of the application

* Describe the user's profile within an organizational hierarchy, whose decision-making needs the application you have built is intended to address.
* Explain the thought process by which you arrived at this description.
* Explain what challenges you faced here. Explain how you overcame them. Explain how specific courses (name the courses) in your curriculum helped you address these challenges. (Note: Not every course in your curriculum may have helped you, but that is OK; just identify the ones whose concepts helped you.

## Decision-making needs of the user

* Describe two or three key areas of business for which this user will be responsible.
* Explain how your application will meet this user's decision-making needs.
* Explain how you arrived at these decisions.
* Explain what challenges you faced here. Explain how you overcame them. Explain how specific courses (name the courses) in your curriculum helped you address these challenges. (Note: Not every course in your curriculum may have helped you, but that is OK; just identify the ones whose concepts helped you.

## Data validation and preparation

* List the names of specific tables from your database with specific fields containing the data you used as inputs (either directly or by computing new fields using the data in these fields as inputs).
* Explain how you identified these tables and fields.
* Explain how you performed the validation of the data. What was the basis for the specific app
* Explain any data transformation/new data computation you performed to produce new data that would serve as inputs to your application. Explain your rationale for these operations.
* Explain what challenges you faced here. Explain how you overcame them. Explain how specific courses (name the courses) in your curriculum helped you address these challenges. (Note: Not every course in your curriculum may have helped you, but that is OK; just identify the ones whose concepts helped you.

### Design of the user interface

* Provide a screenshot of each “tab”/ “page” in your application.
* Annotate the different user interface elements, briefly describing their purpose in addressing the user's decision-making needs.
* Explain on what basis you decide to include each of the elements.
* Explain the rationale by which you verified that the application you built satisfies the user's decision-making needs.
* Explain what challenges you faced here. Explain how you overcame them. Explain how specific courses (name the courses) in your curriculum helped you address these challenges. (Note: Not every course in your curriculum may have helped you, but that is OK; just identify the ones whose concepts helped you.

### Reflection

What have you learned about the process of building a decision-support application due to completing this project? Address the following points:

1. Defining and refining the project charter and problem description
2. Teamwork: communication, coordination of task responsibilities. Describe the role played by each of your team members. Explain how these roles were assigned among yourselves.
3. Acquiring knowledge in a new domain to solve your defined problem. What approach did you use? What resources and tools did you use? What worked? What did not? Why? How did you figure out what worked?
4. Self-efficacy: What did you learn about yourselves, individually? Specifically:
   1. Your approach to learning new concepts and skills.
   2. Your approach to working with others, negotiating tasks, and accountability.
   3. Your approach to estimating the effort needed to complete a deliverable, individually and as a group.
5. How will you apply these lessons to your future professional and academic pursuits?