**CS4710: Model-Driven Software Development, Spring 2020**
**Computer Science Department**
**Michigan Technological University**

**Project 3: Subject Proposal**
**Due: March 28, 2020 by mid-night**

Please select a topic of your interest for your Alloy project. You must collaborate with your teammate to pick a subject that you both agree. After selecting your topic, please follow these steps in order to draw the boundaries of the functionalities/requirements you will capture in your project:

**Problem Definition**:
1) Explain your problem in one page. (30 points)
2) Create a *numbered* list of all the functionalities your system will provide. These are the requirements that you will definitely model in your project. (40 points)
   a. You may use a hierarchical numbering system where you assign a unique number to each functionality/requirement.
3) Create a *numbered* list of all the functionalities your system will NOT provide. These are the type of functionalities that you do not promise to capture, but you will capture them if time permits. (20 points)
4) *Target Audience*: Please clearly specify who the audiences of the system that you are modeling will be. You can classify your audiences in terms of their age, sex, social position, etc. (10 points)

**Recommendation**: I have attached some suggested subjects, but I strongly recommend you think of a societal/local problem you would like to solve so your project has some relevance to practice.