Progress report #1 consists of the an overview of the project and motivation for doing it, the literature review you have completed to date, and a description of how you will accomplish your project.

The *introduction* appears as the first section of an article. It presents the problem being addressed, the motivation for pursuing it, the background upon which you are building, and an overview of your solution. The goal of the introduction is to create interest in the reader, to whet the reader’s appetite to read further and give a taste as to what will be in the rest of the pages. It is meant to excite a general reader and entice them to read on. It may be anecdotal in nature. It can also be factual, but should be presented in such a way that the reader will want to know what happens next. The introduction ends with a guide to the subsequent sections of the paper.

The *related work and/or background* section is produced from your literature review and completed annotations. It describes how your work builds on and contrasts with the related or background work you have identified. It clearly identifies where your project fits among others' work.

The *input-process-output* section provides a high-level computation independent model (the CIM of model-driven engineering) of the problem that your system is intended to solve. It defines the input and anticipated output of the project you are working on and describes the processing needed to transform the input into the output. For example, if my input is an editorial in which the author argues a point by analogy and the output is the conclusion a human reader might form from that analogy, the process describes how the input text will be parsed and mapped into an internal representation of conceptual structures, the strategies needed to recognize the argument and the analogy, and the reasoning mechanism needed to draw a relevant conclusion from the input. It will also describe the process by which the final result of the reasoning will be displayed to the user. This section describes the architecture of the implementation you will complete. From a computer science perspective, this would include use cases and high-level UML diagrams to support your narrative. Imagine you are writing for a funding agency or high-level manager - you need to provide enough detail for the reader to buy into your project, but not so much that a technical expert from outside your field has difficulty following your train of thought.

The remainder of the paper is represented by an *outline* in Progress Report #1. Provide sufficient detail in the outline for it to work as a roadmap to guide you in the process of completing the projects. You can always replan the route or take detours as the semester progresses, but having a plan laid out makes it less likely that you will lose your way.

You most likely will not have all the details of either the literature review or architecture finalized at this point. This exercise will help you refine your ideas and gain a better understanding of the work remaining to be done. It will also give me a better insight into your progress to date. Include diagrams to convey your points.

One final note:
The progress report should describe the results of your work to date, rather than the process you employed to achieve those results. Write in the style of the papers you are reading. When you go back to those papers, you'll see that the focus is on the technology and on the results; the authors only rarely use "we" and even less frequently use "I". Rather, they focus on technical issues and concerns, the comparison of techniques, or approaches to solving various problems.