Weekly readings reports

Most weeks, I will assign research paper readings that are related to the course material. The goal of these assignments is for you to understand the context of the methods covered in class, emphasize how these methods are an active topic of research, and provide you exposure to the sorts of questions and open problems in the applications of these methods.

At the start of each lecture, you will be expected to turn in a brief overview of the assigned reading. There should be roughly one paragraph answering each of the following questions:

- What is the problem context? What are the motivating examples?
- At an qualitative/intuitive level, what is the goal of the authors?
- How do the authors quantify this goal?
- What assumptions do the authors make in their frameworks?
- What mathematical tools are used for analysis?
- Is it effective? Does it solve the problem?

Please clearly indicate which text is meant to answer which question. This can be hand-written or typed, but needs to be turned in as a physical paper Mondays at the beginning of class.

Additionally, be prepared to spend the beginning of each class briefly discussing the paper and your thoughts on it.

Finally, one student will randomly be chosen each week to present their thoughts on each reading. Please be prepared to provide a brief summary of the paper, as well as your thoughts on the important/relevant/interesting components of the paper, as well as your opinion on shortcomings of each paper.