# Exercise: Hypothesis Testing

Group: _____

The following questions will help you to design a simple experiment that compares the interaction alternatives you created, according to the measures that you choose. Note that, unlike the other exercises in this class, we will not actually conduct the experiment. However, this will ensure that you understand what a controlled experiment looks like.

1. Describe the functionality that your system will offer to users.

2. Describe at least three different interaction techniques to access the above functionality.

3. Describe the advantages and disadvantages of each interaction technique.

4. What are the independent variables (factors) in your experiment? What are the values of each?

5. What are the dependent variables (measures) in your experiment?

6. What is your null hypothesis? (formal statement)

7. What is your prediction? (informal)