

### Experiment Plan:

Group ID	Task 1	Task 2	Participants
G1	Annotation (Hotel)	Graphical (School)	Pilot1, 1, 5, 9
G2	Graphical (School)	Annotation (Hotel)	2, 6, 10
G3	Graphical (Hotel)	Annotation (School)	3, 7, 11
G4	Annotation (School)	Graphical (Hotel)	4, 8, 12

#### Setup:

- Pens: 4 per participant (black, blue, red, green) -- Michalis
- Snacks -- Steph
- Laptop: with display of diagram reference and time -- Steph
- Printouts with group id and participant number marked -- Steph

\*Expecting 7 participants so far... prepare for extra -- Michalis to email to see if more will come

1. Ask subjects to start by filling out pre-study questionnaire

2. Give instructional introduction [8 mins]

- We are examining ways of expressing uncertainty in software modeling using Partial Modeling techniques.
- **We focus on three types of uncertainty: explain each with example**
- **Explain what a point of uncertainty is**
- **Explain what a concretization is**
- The purpose of this experiment is to evaluate the syntax used to denote these uncertainties in a model.

3. Give info on how the study is structured [1 min]

- You will first freely express uncertainty for a given model, then you will perform reading and writing tasks for two types of syntaxes: annotation-based and graphical.
- At the end there will be a post-study questionnaire.
- Note the recommended maximum times per section.
- Ask if you have any questions