Software Requirements and the Class Project

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Specifying Requirements and Attributes

- We use the UCID to detail out the requirements
  - Inputs
  - Processing
  - Outputs
  - Flow
- Use these steps
  1. Start with the Functional analysis spreadsheet
  2. We add the two additional columns *starts from* and *ends on* to help us with the flow
     a. Pick scenarios
        a. User register, login, search, reserve, confirm, logout
        b. Verify inputs, outputs, processing, and flow support the scenario
        c. Go through several scenarios until all functions have been used

Specifying Requirements and Attributes (cont.)

- As you go through these scenarios you will discover wrong inputs, outputs, processing steps, and flow problems

- Update the UCID to resolve these.

- Make sure

  1. Inputs/outputs are complete

  2. For lists/summaries (list of matching apartments)

     a. **Processing** (description). Always answer two questions.

        i. **Sorting**. What are they sorted on (e.g. date)? How are they sorted (ascending/descending)?

        ii. **Selection**. On lists we want to be able to select each item in a list. What do we want to do with each item? View/modify?

     b. **Flow** - especially where does it start (e.g. User homescreen)? Where does it end? Does selection of a specific item from a list start with the list/summary results

Specifying Requirements and Attributes (cont.)

- Review UCID template on BB