# Use case walkthrough

## Screens

### Physical representation

Quarter-sheet of letter sized paper with the screen ID in Sharpie at the top. Basic information is put on the screen/form.

### Document connection

If a prototype exists, add a reference to it.

## Entities

### Physical representation

4x4 yellow sticky note – write the entity name in bold Sharpie at the top and the fields that have to be used in pen on the left with the values that are used. If an entity is to be reused by copying the data, then just use the ID field to represent the other copied data. If the entity is a composed entity, create sticky notes for each composed entity and attach to the bottom of the note with a half-inch left indent so that it’s obvious what entity is composed in which entity.

### Document connection

Represented by the entity in the Data Dictionary. Formatting an entity that is contained by another entity in the DD with a border helps to confirm its status as an object.

## Reports

### Physical representation

Quarter-sheet of letter sized paper with the report ID in Sharpie at top. Basic information is put on the report layout.

### Document connection

If a prototype exists, add a reference to it.

## Software controlled hardware

### Physical representation

Pick and object to use for holding the appropriate physical object. A speaker could be used to hold a credit card. Pushing it slightly off on the side of the system/role student means they have ownership and pushing it on the other side means they’ve ejected it.

## Memory

### Physical representation

Full letter sized page of fields for the system itself and entity categorized fields that it is remembering.

## Data storage

### Physical representation

Will be composed of entities and placed on another desk other than the student representing that actor/system/role.

## Requests to systems

### Physical representation

Uses an entity format with heading of Request and one field of action. Data payload consists of the entities or sticky notes that compile the fields to be sent.

Responses if used are placed on the reverse side of the sticky note with one field of body and any entity sticky notes that need to be sent.

Requests are placed in a folded letter sized piece of paper with a Sharpie drawn address box on the outside. On the back of the folded paper is any metadata that needs to be included.

Requests are placed on the wires that lead from the monitor or other wires near the student to represent sending the request over the internet.