Changes:

* Questions appear by section on a single page. This reduces the number of pages served to five or six, rather than over 9000. This will make the survey seem more coherent and shorter.
* Complete DB overhaul: surveys are presently one of the most denormalized parts of the system. This redesign will make processing the DB for data exporting much simpler.
* Form for creating and managing surveys (currently hardcoded)

**What the user sees**

The top of the page gives a description of the section. It is followed by all the questions related to that section. At the bottom is a “save and continue” button that advances to the next step. If the user leaves the survey, upon their return they will be brought back to the first incomplete section.

**Management features**

* Create and modify new surveys attached to specific phases
* Clone “basic” surveys
* Enable and disable surveys from the list

**Database**

1. **Surveys:** belongs to an organization, has many sections, has a description, has a phase number (which phase the survey is associated with, 0 to n+1)
2. **Survey\_sections**: belongs to a survey, has many questions, has a description, has a rank (eg first section)
3. **Survey\_questions**: belongs to a section, has many question options, has a query, has an answer type (eg radio button), can be required, has a rank
4. **Survey\_responses:** Belongs to a question, belongs to a user, has an answer
5. **Survey\_statuses:** Belongs to a survey, belongs to a user, has a last section completed, has a complete status

**Survey\_statuses** are used to determine whether to prompt a user to complete a survey, and to allow them to resume where they left off if they have attempted the survey before. When the user logs in, the dashboard checks if they are on a phase which has a survey. If so, it checks if they have completed that survey by looking up the “complete” attribute in Survey\_statuses. If it is not complete, the user is sent to the survey page, with the “last completed section” marker used to determine which section to load.