## Database tables

1. **User.** Represents each user of the application. Can either be of type LTM, year tutor or academic.
2. **Student.** Has a row for each student.
3. **Module.** Has a row for each unique module that students can register for. Codes are not unique since the same module can run in different semesters of the same academic year.
4. **Assessment.** Data related to an assessment.
5. **Form.** Used to start a new gathering process.
6. **FormEntry.** Each form has a FormEntry for each unique module.
7. **ModuleAssessments.** Tracks the assessments of a module.
8. **StudentModules.** Tracks which students registered modules.

## Workflow

1. Everyone
   1. User logs in to system.
   2. Log off button in header.
2. LTM
   1. Create new forms
      1. Button on top to create a new form.
      2. Details needed for creation - name of form (e.g. “Module Assessment Data Collection 2019-2010”), exam period dates, academic year dates, list of modules.
      3. An instance of FormEntry is created for each module and marked with state=CREATED.
   2. Send forms to academics
      1. Forms in state=CREATED are shown under category “Ready to send”.
      2. Each form has option to send/delete.
      3. Sending sets state to WAITING.
   3. Show forms waiting on academics
      1. Forms with state WAITING are shown under category “Waiting for academics”. Forms that have been filled are differentiated from forms that are not (using entry\_is\_complete field).
   4. Show forms completed by academics
      1. Completing a form sets entry\_is\_complete to True. If all FormEntry of a Form are filled, its state is changed to DONE.
      2. Forms in state DONE are moved to the section “Completed by academics”.
3. Academic
   1. Homepage shows list of incomplete forms assigned to him (FormEntry with is\_complete=False)
   2. On clicking a form, academic can enter a list of assessments. Validations are done on entered data.
   3. FormEntry is changed to is\_complete=True.
4. Year tutor