

## TESTING WRITE UP FOR STREAM FIVE PROJECT – TUTORING SITE

### accounts

forms.py

- UserLoginForm
  - Checked that incorrect email or password throws an error
  - Checked that incorrect email format throws validation error
  - Checked that no input throws validation errors
- UserAdminCreationForm
  - Checked that incorrect email or password throws an error
  - Checked that incorrect email format throws validation error
  - Checked that unmatched passwords throws validation error
  - Checked that no input throws validation errors
- FirstPasswordChangeForm
  - Checked that unmatched passwords throws validation error
  - Checked that no input throws validation errors
- CreateUserForm
  - Checked that incorrect email or password throws an error
  - Checked that incorrect email format throws validation error
  - Checked that no input throws validation errors
  - Checked that email is sent with randomly generated 10 character password attached

views.py

- logout
  - Checked that a logged in user is logged out and redirected to home page
- login\_view
  - Checked that login page renders with login form
  - Checked that correct errors appear when the form is not valid
  - Checked that an inactive user receives correct error message
  - Checked that a user can log in
  - Checked that uppercase letters in email still works
  - Checked that each individual type of user is redirected to the correct page
  - Checked that parent user or tutor user logging in with the initial randomly generated password is redirected to the first password change page
- first\_password\_change
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked for parent and tutor users that they are redirected properly when they've entered a new password
- add\_parent\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that a parent user is created when form is valid and user is sent to correct page

- `add_tutor_view`
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that a tutor user is created when form is valid and user is sent to correct page
- `deactivate_user_view`
  - Checked a user who is not staff cannot view page
  - Checked if user is redirected to correct page with correct information
- `deactivate_user_confirm_view`
  - Checked a user who is not staff cannot view page
  - Checked if user deactivates
  - If deactivated user is parent, checked if any related student lessons have been removed and student does not show up in student search
  - If deactivated user is tutor, checked if any associated lessons are deleted
  - Checked if user is redirected to appropriate page depending on what kind of user was deactivated
- `reactivate_user_confirm_view`
  - Checked a user who is not staff cannot view page
  - Checked if user reactivates
  - Checked if user is redirected to appropriate page depending on what kind of user was deactivated
- `delete_user_view`
  - Checked a user who is not staff cannot view page
  - Checked if user is redirected to correct page with correct information
- `delete_user_confirm_view`
  - Checked a user who is not staff cannot view page
  - Checked if user deletes
  - Checked if user is redirected to appropriate page depending on what kind of user was deleted, and any related information like students or lessons are also removed

## adminuser

### forms.py

- `CentreForm`
  - Checked that no input throws validation errors
  - Checked that information saved is formatted correctly (capital letters etc.)
  - Checked that if telephone is not digit, throws validation error
- `StaffUserForm`
  - Checked that centre selection options are correct
  - Checked that incorrect email or password throws an error
  - Checked that incorrect email format throws validation error
  - Checked that unmatched passwords throws validation error
  - Checked that no input throws validation errors

### views.py

- `admin_dashboard_view`
  - Checked a user who is not admin cannot view page

- Checked that correct page appears
  - Checked todays\_date variable is correct
- add\_centre\_view
  - Checked a user who is not admin cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that when form is valid, user is redirected properly
- add\_staff\_view
  - Checked a user who is not admin cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that created user is staff
  - Checked that when form is valid, user is redirected properly

## lessons

forms.py

- LessonOccurrenceForm
  - Checked that no input throws validation errors
  - Checked that correct tutors are displayed
  - Checked day unmatched with date throws validation error
  - Checked that date inputted before current date throws validation error
- StudentToLessonForm
  - Checked that student selection options are correct
  - Checked that no input throws validation errors
- StudentToLessonForm
  - Checked that tutor selection options are correct
  - Checked that no input throws validation error

views.py

- add\_lesson\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that error is thrown if lesson/lessons already exist
  - Checked that lesson is added if occurrence choice is one off
  - Checked that lessons are added properly if occurrence choice is weekly
  - Checked that if form is valid, user is redirected properly
  - Lessons are created up to the beginning of August because I did not one records to be created in an infinite loop. Also, staff members then have a month until the start of September, the start of the new school year, to repopulate the database.
- update\_lesson\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that when form is valid, lesson is updated and user is redirected properly
  - Kept all tutors across all centres in the list, for a real-world example of if a lesson needs covering, anyone can travel to cover it
- delete\_lesson\_confirm\_view

- Checked a user who is not admin cannot view page
  - Checked that hours\_and\_minutes variable is correct
  - Checked that correct page appears properly
- delete\_lesson\_view
  - Checked a user who is not staff cannot view page
  - Checked that lesson is deleted
  - Checked that user is redirected properly
- relate\_via\_student\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that correct lessons are found when the choice is one off or weekly
  - Checked that error message appears when lessons do not exist
  - Checked that if form is valid, user is redirected properly and lessons and students are related
- relate\_via\_lesson\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form
  - Checked that correct errors appear when form is not valid
  - Checked that correct lessons are found when the choice is one off or weekly
  - Checked that if form is valid, user is redirected properly and lessons and students are related
- remove\_student\_from\_lesson\_confirm\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears
  - Checked that hours\_and\_minutes variable is correct
- remove\_student\_from\_lesson\_view
  - Checked a user who is not staff cannot view page
  - Checked that student is removed from the lesson
  - Checked that user is redirected properly
- get\_lessons\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears
  - Checked that correct lessons appear for that week
  - Checked that buttons for prev and next week work
  - Checked if a date entered in the URL is not a Monday, page cannot be viewed
- get\_lesson\_detail\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with the correct information
  - Checked that hours\_and\_minutes variable is correct
- get\_student\_lessons\_view
  - Checked a user who is not parent cannot view page
  - Checked that correct page appears with correct information
  - Checked that unpaid lessons appear once for each child
  - Checked that future lessons appear once for each child, and if it has been paid for the correct information is stored
  - Checked that the pagination is working appropriately

- Checked that todays\_date variable is correct
- parent\_remove\_student\_from\_lesson\_confirm\_view
  - Checked a user who is not parent cannot view page
  - Checked that correct page appears with correct information
  - Checked that if the parent and child are not related, they cannot view page
- parent\_remove\_student\_from\_lesson\_view
  - Checked a user who is not parent cannot view page
  - Checked that student is removed from lesson
  - Checked that if the parent and child are not related, they cannot perform action
  - Checked that user is redirect properly
- get\_tutor\_lessons\_view
  - Checked a user who is not tutor cannot view page
  - Checked that correct page appears
  - Checked that correct lessons appear
  - Checked that pagination works correctly

## **pages**

views.py

- home\_view
  - Checked that correct page appears
- about\_view
  - Checked that correct page appears
  - Checked that correct centre information is retrieved
- contact\_view
  - Checked that correct page appears
  - Checked that correct centre information is retrieved
- oops\_view
  - Checked that correct page appears

## **parentuser**

views.py

- parent\_dashboard\_view
  - Checked a user who is not parent cannot view page
  - Checked that correct page appears with correct information
  - Checked that correct profile is received

## **payments**

forms.py

- MakePaymentForm
  - Checked that no input throws validation errors
  - Checked that incorrect information throws errors
  - Checked payment is properly created
  - Payment takes information from other records and stores it rather than using foreign keys as if any of these things are deleted, I did not want the payment record to be deleted. It is like a receipt

views.py

- intake\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that correct unpaid information for the staff user's centre is retrieved
  - Checked that correct paid information for the staff user's centre is retrieved
  - Checked that total amount is correct
  - Checked that months for prev and next month is correct
  - Checked how view is dealt with if going into a new or previous year
- whole\_intake\_view
  - Checked a user who is not admin cannot view page
  - Checked that correct page appears with correct information
  - Checked that correct unpaid information for all centres is retrieved
  - Checked that correct paid information for all centres is retrieved
  - Checked that total amount is correct
  - Checked that months for prev and next month is correct
  - Checked how view is dealt with if going into a new or previous year
- tutor\_earnings\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that total amount is correct
  - Checked that prev and next month variables are correct
  - The earnings period is between the 21<sup>st</sup> of each month so that staff members have a chance to make sure tutors are paid before the end of the month
- tutoruser\_earnings\_view
  - Checked a user who is not tutor cannot view page
  - Checked that correct page appears with correct information
  - Checked that total amount is correct
  - Checked that prev and next month variables are correct
- make\_payment\_view
  - Checked a user who is not parent cannot view page
  - Checked a user cannot pay for lessons that is not theirs to pay
  - Checked correct page appears with correct form and information
  - Checked that an invalid form throws errors
  - Checked that a valid form redirects user properly and payment record is saved

## profiles

forms.py

- ParentProfileForm
  - Checked that no input throws validation errors
  - Checked that information saved is formatted correctly (capital letters etc.)
  - Checked that if telephone is not digit, throws validation error
- TutorProfileForm
  - Checked that no input throws validation errors
  - Checked that information saved is formatted correctly (capital letters etc.)
  - Checked that if telephone is not digit, throws validation error

- StudentForm
  - Checked that no input throws validation errors
  - Checked that information saved is formatted correctly (capital letters etc.)

views.py

- get\_parent\_profile\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that correct students are retrieved
- update\_parent\_profile\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form and with correct instance
  - Checked that an invalid form throws errors
  - Checked that a valid form redirects user properly and record is updated
- add\_student\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct errors appear when form is not valid
  - Checked that a parent user is created when form is valid and user is sent to correct page
- update\_student\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form and with correct instance
  - Checked that an invalid form throws errors
  - Checked that a valid form redirects user properly and record is updated
- get\_student\_profile\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that year\_group variable works
  - Checked that correct parent is retrieved
- delete\_student\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
- delete\_user\_confirm\_view
  - Checked a user who is not staff cannot view page
  - Checked if student deletes
  - Checked if user is redirected to appropriate page
- get\_tutor\_profile\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that todays\_date variable is correct
- update\_tutor\_profile\_view
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with form and with correct instance
  - Checked that an invalid form throws errors
  - Checked that a valid form redirects user properly and record is updated
- get\_parentuser\_profile
  - Checked a user who is not parent cannot view page

- Checked that correct page appears with correct information
  - Checked that correct students are retrieved
- `get_parents_student_profile_view`
  - Checked a user who is not parent cannot view page
  - Checked parent user cannot see information of an unrelated student
  - Checked that correct page appears with correct information
  - Checked that `year_group` variable works
  - Checked that correct parent is retrieved
- `get_tutoruser_profile`
  - Checked a user who is not tutor cannot view page
  - Checked that correct page appears with correct information
  - Checked that `today's_date` variable is correct
- `get_student_profile_as_tutor`
  - Checked a user who is not tutor cannot view page
  - Checked that correct page appears with correct information
  - Checked correct parent is retrieved
  - Checked that `year_group` variable works

## search

views.py

- `add_or_search_parent_view`
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that nothing entered returns all parents
  - Checked that either a first name, last name or full name will return corresponding parents
- `search_student_view`
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that nothing entered returns all students
  - Checked that either a first name, last name or full name will return corresponding students
- `add_or_search_tutor_view`
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked that nothing entered returns all tutors
  - Checked that either a first name, last name or full name will return corresponding tutors

## staffuser

views.py

- `staff_dashboard_view`
  - Checked a user who is not staff cannot view page
  - Checked that correct page appears with correct information
  - Checked `today's_date` and `monday's_date` variables are correct



## tutoruser

views.py

- tutor\_dashboard\_view
  - Checked a user who is not tutor cannot view page
  - Checked that correct page appears with correct information
  - Checked todays\_date variable is correct
  - Checked correct tutor profile is retrieved

## ADDITIONAL INFORMATION

- Travis continuous integration testing is used to check if the current build is passing
- The site has been tested on a variety of screen sizes to check responsivity