

Sprint 1 (User Story #30) As an admin, I want to be able to add students with their personal details.

Administrator of the system needs to create students based on their personal details i.e. SID, name, email address, and password. SID and email need to be unique and they need to follow a pattern to match up.

Changes:

Functionality is actually had been implemented already but has bugs which needs to be track down. Also there was no checking on email format. I also implement the user testing on this functionality.

- I edit the 'app/mailer/system_mailer.rb' to fix the error, which is simply was adding new email address to be used for email notification.
- It also needed some changes in 'config/environments/development.rb'. They were regarding the new email address and the configuration about gmail mailing service, like port number, etc.
- a simple regular expression was added to 'app/models/student.rb' for email validation as well.
- Unit tests for student model has been done and it's located in 'spec/models/student_spec.rb'

How to add new student:

1. navigate to `http://{ local host:port number}/students`
2. click on 'New Student'
3. a form will be shown with empty field for student's details.
4. Enter the required fields, and hit 'Create Student' button.
5. Another page will be shown with newly created student's detail.

Sprint 2 (User Story #53) As an admin, I want to import/upload a list of students

Administrator can upload a csv formatted file based a predefined format to upload a list of students. Csv file must follow the format that is being described in the relevant view, otherwise shows error. Each student in the list then will be created and saved into the database. Confirmation email also will be sent to each student in the list.

Changes:

- in 'app/controllers/students_controller.rb', I added the changes to write the selected year and semester to the system cache, so it can be used in other system business logic, I.e `csv_import_controller`.
- In 'app/controllers/csv_import_controller.rb', I read the save data in system cache and the entries in the list will be added based on those values set y admin.
- I also made some changes in `app/mailer/system_mailer.rb` to include more information for new user.
- Because of the previous changes, I need to change the 'system_mailer' methods call to conform with new methods signature.
- In 'app/views/csv_import/student_list.html.erb', I changed the view to give the user more information about the format and requirements of the csv file. Changes were some simple html to highlight some text in the view to get user attention.

How to import student list:

1. navigate to `http://{ local host:port number}/students`
2. click on 'Import Student List'.
3. If user wants to import the list for specific year and semester. (S)He needs to select the year

- and semester on top of the page and click on 'List' then click 'Import Student List'
4. `http://{ local host:port number}//csv_import/student_list` page will be showed up, which gives user some information about the student list.
 5. User click on 'Browse...' to find the file (s)he wants. Another window opens up to let user to find the file.
 6. After finding the file user can close the window and (s)he goes back to previous page.
 7. Now user needs to click on 'Upload CSV' button.
 8. System evaluate the entries in the list and create an account for each entry and send email notification for each student's email address.
 9. If successful, system shows successful message on top of csv import page.

Sprint 3 (User Story #60) As an admin, I want email notifications sent when making/cancelling a booking

email notification needs to be sent, when ever administrator make a booking or cancel a booking for a student. Email notification will be sent to the student's email address that has been registered in the system.

Changes:

- in 'app/mailers/system_mailer.rb', I added the required methods, 'cancelBookingEmail' and 'makeBookingEmail'
- in 'app/views/system_mailer/', I added the relevant view for those 2 methods. 'cancelBookingEmail.html.erb' and ' makeBookingEmail.html.erb'. I also did some small changes in 'registarationEmail.html.erb' to include some comment for new users.
- in 'app/controllers/make_booking_controller.rb'. I added the methods calls to newly created methods in 'system_mailer.rb', whenever admin make/cancel a booking. So now email notification will be sent when ever a booking is being made or cancelled.

How does it work:

there is no step by step action to follow. When ever administrator make a booking or cancel a booking for a student, an email will be sent to that student's registered email address, letting him/her know about the new or cancelled booking. Confirmation message also will be shown on the the relevant web page.