Links

Github: https://github.com/nishant-basu-tamu3/student_knowledge_system
Pivotal Tracker: https://www.pivotaltracker.com/n/projects/2721032
Deployed Application: https://hive-sks-c9da748e2491.herokuapp.com/

Dates

The Sprint lasted from September 30th to October 4th.

Team Members

Total Points Completed: 25
Scrum Master: Aum Palande, completed 3
Product Owner: Nishant Basu, completed 6
Dev: Mukil Senthilkumar, completed 5
Dev: Raunak Kharbanda, completed 2
Dev: Ellika Mishra, completed 1
Dev: Prakhar Suryavansh, completed 3
Dev: Susheel Vadakkekuruppath, completed 5

Sprint Goal

Our Sprint goal was to get familiarized with the product and legacy code. This was done by making sure that everyone was able to set up their basic development environment, and have simple UI changes that would make us familiar with the code and testing suites.

Sprint Achievements

We completed most of our sprint backlog, which consisted of tasks such as making the front end more user friendly and setting up the deployment. We also took time to fix previous failing tests and cleaned up Rubocop issues and Code Climate issues. Overall, we achieved 18 out of the 21 story points planned. The missed feature has been pushed back to Sprint 2.

Sprint Backlog

- Deploy new MVP
  The application was deployed as part of this story on our heroku instance with our own AWS S3 Bucket and Oauth setup. It was done to enable the initial MVP and get an understanding of the legacy application.
- Change Login Page
- Fix rspec tests
- Fix Cucumber Tests

- Limit image upload type
- Fix Create Account Page
- Fix Create Student Validation
- Students page to display Students
+ Fix Rubocop Issues
    Robocop for Ruby is a good tool to assess the indentations and standard coding style practices of an application. It directly contributes to the stability of an application and hence through this story we decided to reduce these offenses to a smaller number. We found such issues and fixed it through a more structured code.
+ Fix Code style / Code Climate
    The coding style offenses like duplication and long complex logic in a singular function can lead to an unstable application, hence this story was prioritized to make the code climate report under the manageable limit. We removed duplicate code and reduced the complexity of large functions by breaking into smaller bits.
+ Update Docs and README
    While deploying the application, when we tried to follow the given documentation, we quickly understood that the documentation was not proper and led to us being confused and looking for help through the professor. Hence we decided to document our understanding properly for future references as well as for our own use. We broke it down into different sections like AWS , Oauth, Heroku and Application on Local. This facilitated a clear and more readable documentation
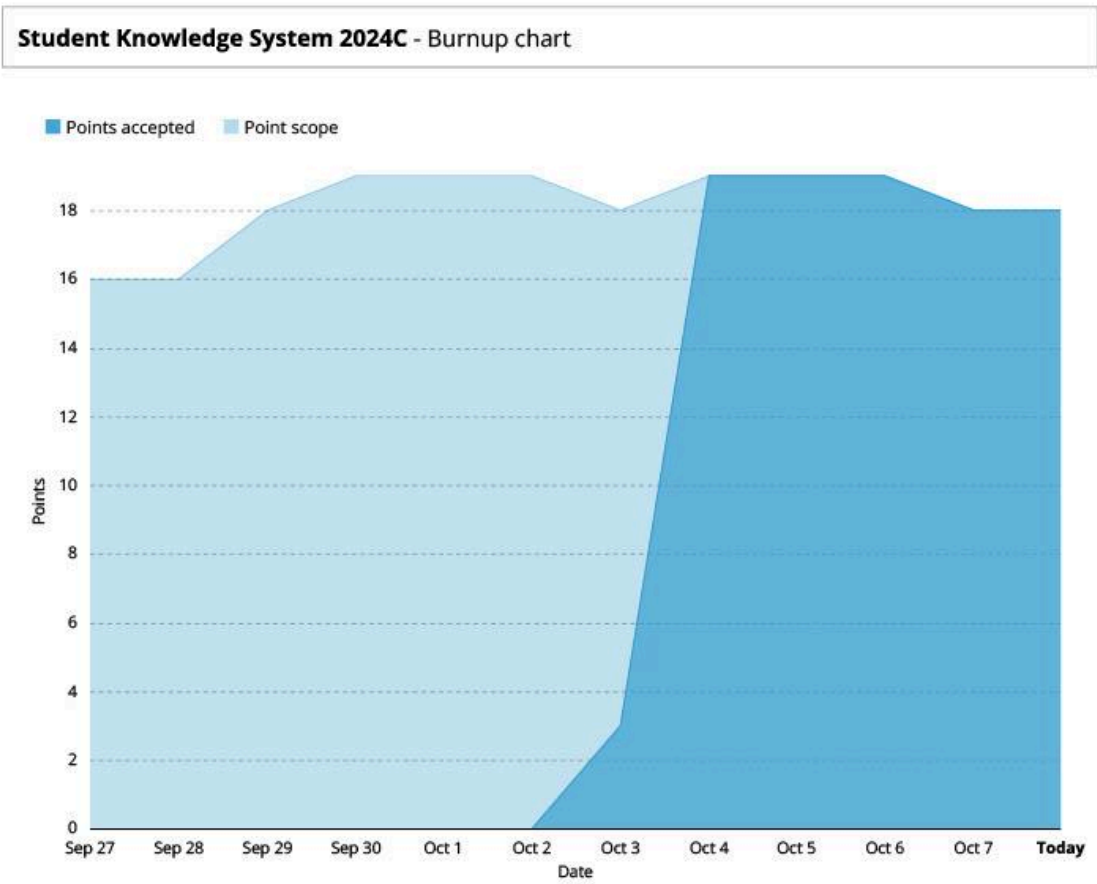- Change Create new Student page
    This story was not completed, as the developer did not have time to finish it and was
traveling
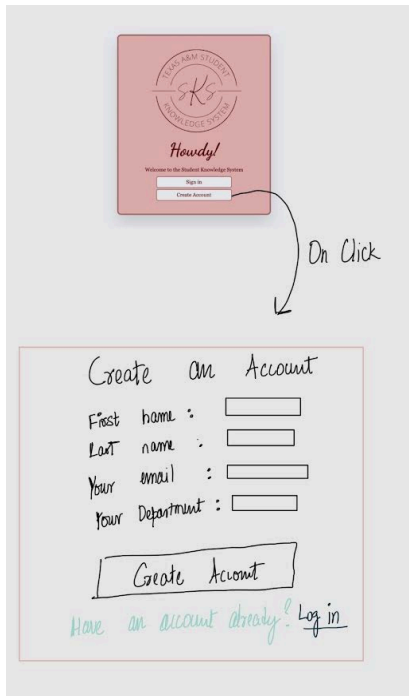
Burn Down:

Student Knowledge System 2024C - Burnup chart

■ Points accepted   ■ Point scope

Story details for Oct 8, 2024

Accepted Stories (11 stories | 18 points)

★	Deploy new MVP (NI) [#188356120]
2pts	

★	Change Login Page (AU) [#188348152]
2pts	

★	fix rspec tests (SU) [#188350880]
1pt	

★	fix cucumber tests (SU) [#188350879]
1pt	

⭐ 2pts	Fix CodeStyle/Code Climate (MU, NI, SU) [#188382460]
⭐ 1pt	Update Docs for Setup (NI) [#188382448]
⭐ 1pt	Limit image upload file type (AU) [#188348144]
⭐ 2pts	Create Account Page (MU) [#188348133]
⭐ 3pts	Students Page to display Students (PS) [#188348143]
⭐ 2pts	Create Student Validation (RA) [#188348146]
⭐ 1pt	Fix Rubocop Issues less than 200 offenses (NI, MU, SU) [#188382458]

Design Diagram

Nothing about our Design Document changed.

New Student

Firstname

Lastname

Email

Major

Classification

Uin

Create tag

Image

Browse... No file selected.

Notes

On click

Create Student

Back to students

File Upload

Select

Size	Type	Modified

All Files

All Files

Change to this

All Supported Types

All Files

All Supported Types ✓

*.jpg

*.jpeg

*.png

Welcome Back!

Please note that this link is one-time use only.

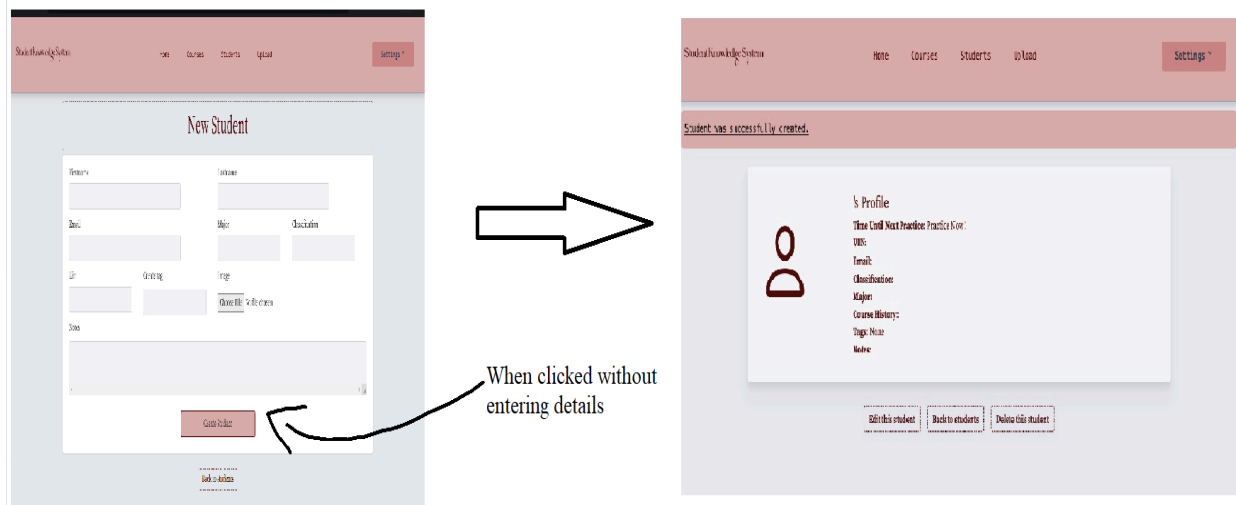abcde@tamu.edu

Send magic link

Sign in with Google

Welcome Back!

Please note that this link is one-time use only.
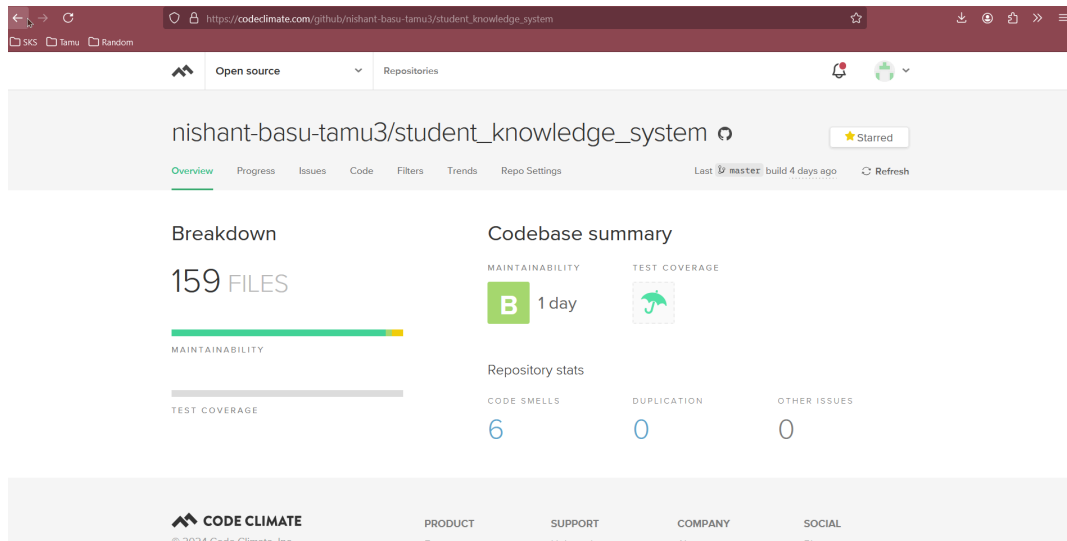
abcde@tamu.edu

Verify account

Sign in with Google

When clicked without entering details

New Student

Firstname		Lastname
Raunak		Kharbanda

Email		Major	Classification
		Comp Science	

⚠ Please fill in this field.

Uin	e tag	Image
111111111		Choose file No file chosen

Tags
(Hold ctrl to select or unselect tags)

as

Notes
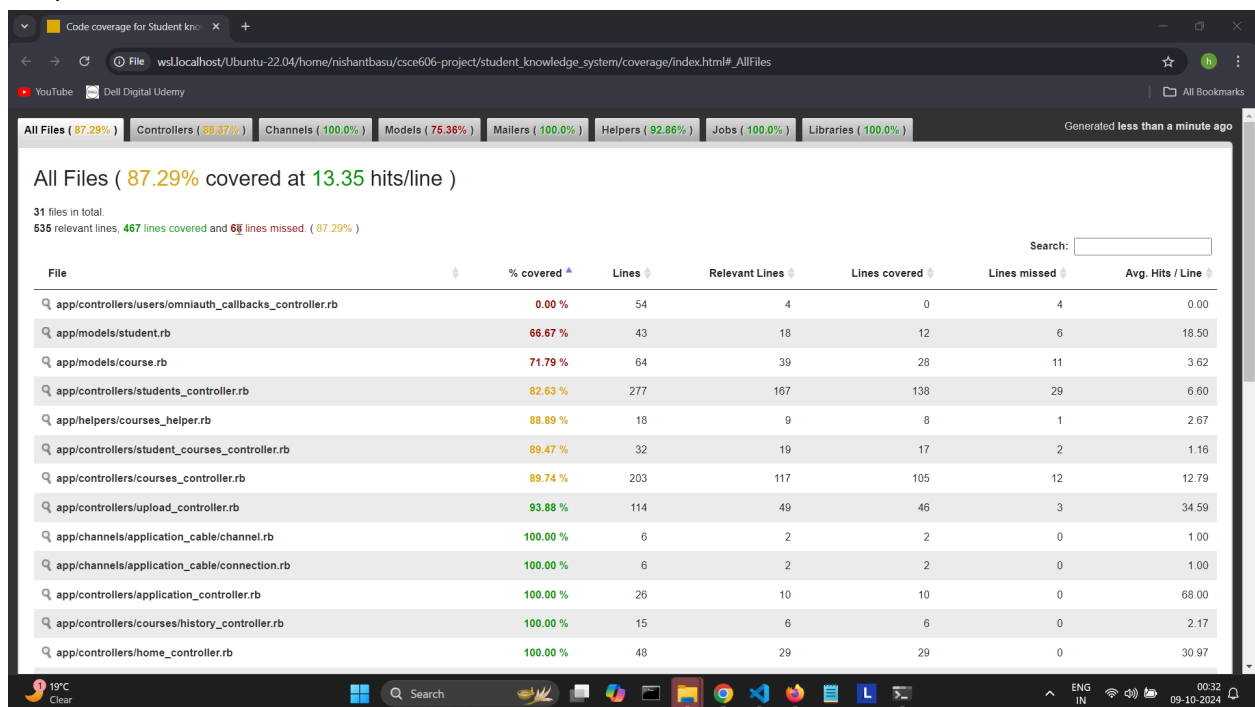
[ ]

Create Student

Documentation of change :

📄 Docs HIVE SKS

Code Evaluation

Code Climate : https://codeclimate.com/github/nishant-basu-tamu3/student_knowledge_system

Simple Cov : 87.29 %

Customer Meeting

We will meet with Dr. Lightfoot on October 9th, from 4:30pm to 5:30pm.

BDD/TDD:

1. Deploy new MVP

The deployment process was not a feature, rather an infrastructure setup, hence there can not be a unit test added for this story.

2. Fix Rubocop Issues

The code remains intact in this part just the way it was written is changed hence it does not change the existing functionality, hence no TDD or BDD can be done on this type of story.

3. Fix Code style / Code Climate

Code climate offenses again are just about style of coding and reduced complexity, no functionality change and hence no tests.

4. Update Docs and README

Documentation is not a functionality change and hence no BDD or TDD for this.

5. Fix Create account page

    a. BDD: .features/user.feature

```
Given the following users exist:
| email                       | firstname     | lastname     | department
| team_cluck_admin@gmail.com  | alice         | bob          | computer science

Scenario: Welcome Message
    When I sign in as "team_cluck_admin@gmail.com"
    Then I should see "Howdy Professor bob!"
```

    b. TDD: .spec/controller/home_controller_spec.rb:40

```ruby
it 'see lastname in home page' do
  get :index
  expect(assigns(:current_user).lastname).to eq(@user.lastname)
end
```

6. Change Login Page

This change was purely a UI change and therefore does not require any additional testing. No buttons or link tabs were changed that would cause cucumber tests to fail.

7. Limit upload image type

This change was purely a UI change and therefore does not require any additional testing. No buttons or link tabs were changed that would cause cucumber tests to fail.

8. Code Coverage

To add more coverage, we added test cases for some controllers that were uncovered, specifically the Session Controller and Student Courses Controller and more.

9. Create Student Validation

```
Scenario: Add an invalid student
    When I sign in as "team_cluck_admin@gmail.com"
    And I go to the students page
    When I click "New student"
    And I click "Create Student"
    Then I should see "Please fill in this field."
```