

PROJECT: TEAM FORMATION
SPRINT-1 Retrospective

SPRINT-1 Schedule :

Sprint 1 Planning : 23rd Sep to 27th Sep

Sprint 1 : 30th Sep to 4th Oct

SPRINT-1 Goal :

The goal for this sprint was to develop and implement functionalities for professors when logged into the application. This includes creating a secure login page that allows professors to authenticate using their Tamu credentials. Once logged in, professors will be able to create and customise a student data collection form, define and add specific attributes to the form, and set deadlines for the project. Additionally, they will have the capability to modify these settings as needed. By the end of this sprint, professors should have a fully functional interface that enables them to effectively manage team formation criteria.

Team and Member Contributions :

Team formation team consists of 8 members. The tabular representation shows the roles, efforts and fair share effort (%).

Team Member	Role	Tasks Completed	Story points (Effort)	Total no. of hours worked	Fair share percentage(%)
Sahithi Duppati	Product Owner	1	3	18	12.5%
Phani Jyothi K	Scrum Master	3	2.5	14	12.5%
Uday M	Developer	3	8	48	12.5%
Ramya G	Developer	3	7	42	12.5%
Rithika S	Developer	2	6	36	12.5%
Sai Jaideep M	Developer	2	8	48	12.5%
Raja Karthik V	Developer	7	4.5	26	12.5%
Hitha MV	Developer	4	7.5	44	12.5%

SPRINT-1 Achievements :

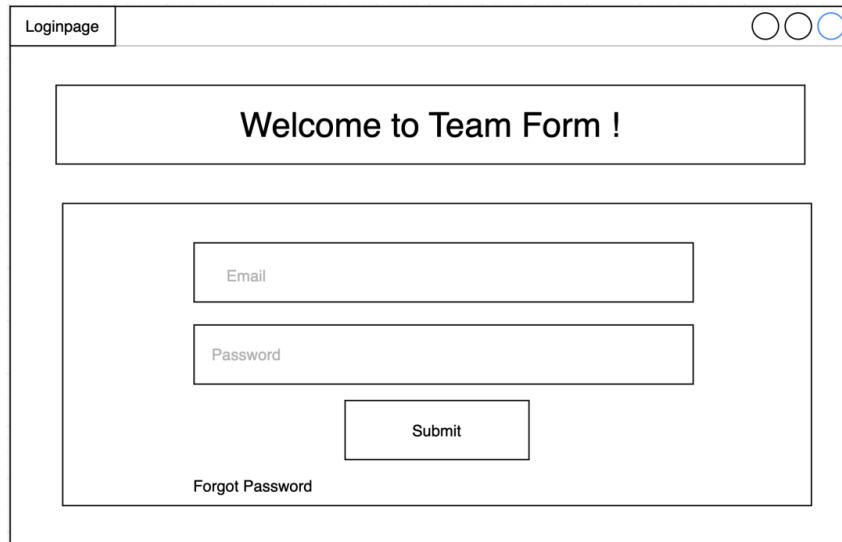
As a professor, I want to securely log in with my college-issued username and password to manage student information for team formation. I need the ability to create and edit forms, add specific attributes or questions, and set weightage for each attribute to prioritize factors in the team formation algorithm. I also want to preview forms before finalizing them, duplicate existing forms for different classes or semesters, and set deadlines for form submissions while ensuring error handling for invalid deadlines. Additionally, I want to upload an Excel file to add student details efficiently.

SPRINT-1 Backlog Items and Status:

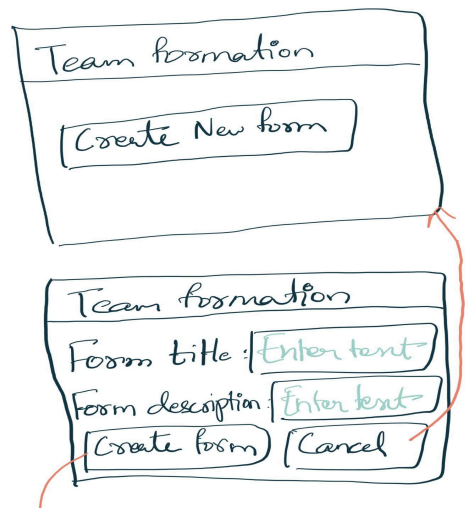
Sprint-1 Backlog Items	Status
Login with Username and Password	+
Create New Form with Edit	+
Add Specific Attributes with Remove	+
Set Attribute Weightage with Modify	+
Preview Form	+
Duplicate Form	+
Set Deadline for Form Submission with error handling	+
Add Students	+
Save as Draft	*
Integrations among features and deployment	—

- **Add students (-)** functionality was implemented but only small UI modification was pending due to misinterpretation.
 - **Save as Draft (*)** functionality was initially under planning but once development began, there was a slight change in workflow and the form remains as a draft until it gets published, so we edited that item out for this sprint as publish item was not picked for this sprint.
-

Design Diagrams for SPRINT-1 :



A design diagram for a login page. It features a window titled "Loginpage" with three window control buttons (minimize, maximize, close) in the top right corner. The main content area contains a large rectangular box with the text "Welcome to Team Form !" centered inside. Below this box is another large rectangular box containing a login form. The form consists of two input fields: the top one is labeled "Email" and the bottom one is labeled "Password". Below the password field is a "Submit" button. At the bottom left of the form container, there is a link labeled "Forgot Password".



Two hand-drawn wireframes for a "Team formation" interface, connected by a red arrow pointing from the first to the second.

The first wireframe is a simple box titled "Team formation" with a single button labeled "Create New form" inside.

The second wireframe is a more detailed box titled "Team formation". It contains two input fields: "Form title:" followed by a box containing the text "Enter text", and "Form description:" followed by a box containing the text "Enter text". Below these fields are two buttons: "Create form" and "Cancel". A red arrow points from the "Create form" button back to the "Create New form" button in the first wireframe.

Team formation

Form title
Form description

Add attribute

Set deadline

Team formation

Select attribute type

Text Input MCQ

Cancel

Team formation

question: Enter text

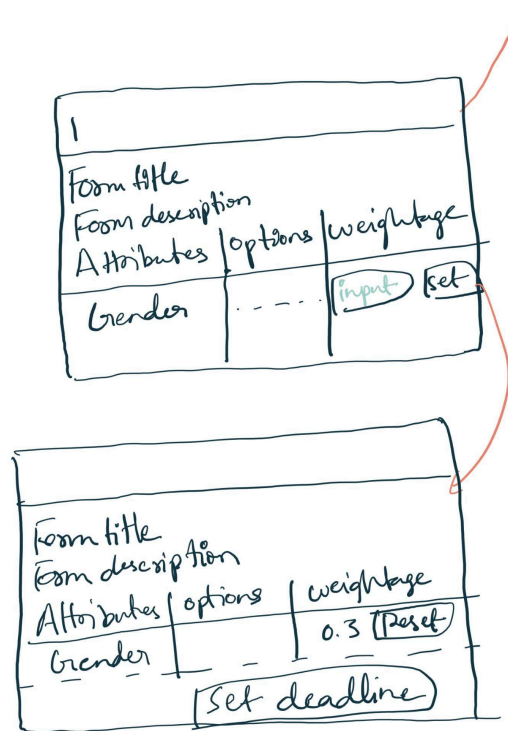
Add attribute

Cancel

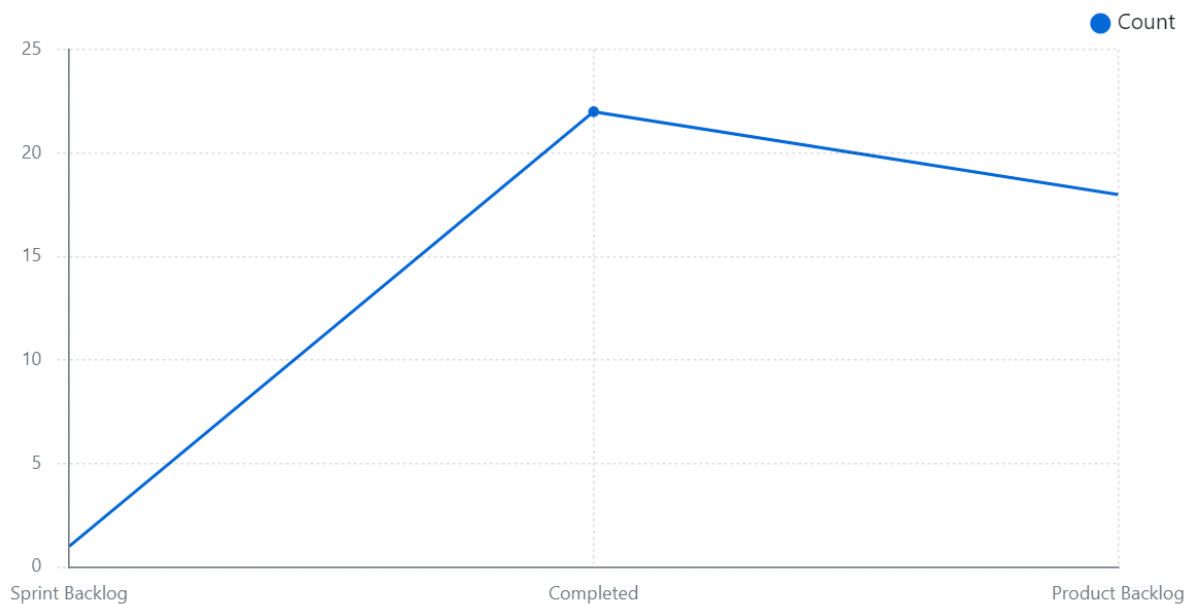
Team formation

Form title
Form description

Attributes	options	weightage
Gender	set weightage
Ethnicity		set weightage
:	:	:



Burndown Chart :



Evaluations of Code & Test Quality :

Code Cimate:<https://codeclimate.com/github/phanijyothi11-tamu/team-formation>

All Files (91.27%) Controllers (99.37%) Channels (0.0%) Models (100.0%) Mailers (0.0%) Helpers (83.72%) Jobs (0.0%) Libraries (100.0%)


Generated about 3 hours ago

All Files (91.27% covered at 3.6 hits/line)

20 files in total.
252 relevant lines, 230 lines covered and 22 lines missed. (91.27%)

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/channels/application_cable/channel.rb	0.00 %	4	4	0	4	0.00
app/channels/application_cable/connection.rb	0.00 %	4	4	0	4	0.00
app/jobs/application_job.rb	0.00 %	7	2	0	2	0.00
app/mailers/application_mailer.rb	0.00 %	4	4	0	4	0.00
app/helpers/application_helper.rb	28.57 %	10	7	2	5	0.29
app/helpers/forms_helper.rb	94.12 %	63	34	32	2	2.65
app/controllers/forms_controller.rb	98.67 %	189	75	74	1	2.99
app/controllers/application_controller.rb	100.00 %	32	11	11	0	15.00
app/controllers/attributes_controller.rb	100.00 %	87	35	35	0	4.31
app/controllers/fam_resource_controller.rb	100.00 %	24	17	17	0	4.65

 RuboCop Inspection Report

92 files inspected, no offenses detected:

Generated by [RuboCop](#) 1.66.1

bdd & tdd

cucumber scenarios and rspec examples cover all features developed in this iteration.

Rspec:

```
phanijyothi11@PhaniGowtham:~/teamformation/team-formation-4$ bundle exec rspec
.....

Finished in 2.15 seconds (files took 4.26 seconds to load)
97 examples, 0 failures

Coverage report generated for RSpec to /home/phanijyothi11/teamformation/team-formation-4/coverage.
Line Coverage: 91.27% (230 / 252)
```

cucumber:

```
Scenario: User logs out # features/user_authentication_and_navigation.feature:34
  Given I am logged in # features/step_definitions/user_authentication_and_navigation_steps.rb:8
  When I clicks "Logout" # features/step_definitions/user_authentication_and_navigation_steps.rb:22
  Then I should be redirected to the welcome page # features/step_definitions/user_authentication_and_navigation_steps.rb:107
  And I should see "You are logged out." # features/step_definitions/user_authentication_and_navigation_steps.rb:94

29 scenarios (29 passed)
188 steps (188 passed)
0m2.449s
```

Documentation of changes :

Initially the app was deployed on <https://fathomless-anchorage-60590-5aba8fd6be02.herokuapp.com/> but due to some technical issues the deployment link got changed to this: <https://team-formation-be0f7e7d165b.herokuapp.com/>.

SPRINT-1 MVP Demo Summary:

The product owner has presented a demo of Sprint-1 MVP with the client over a scheduled meeting.

Meeting Link : <https://tamu.zoom.us/my/snritchey>

Summary :

The client has requested the "Add Students" button, for which the functionality has already been implemented, but the user interface still needs to be added. Client emphasised the importance of developing the student-side of the project and incorporating course management functionalities in the upcoming sprints. Additionally, the client has requested access to the deployed Heroku app and has expressed satisfaction with the progress made so far. The next steps involve finalising the user interface for the "Add Students" button, along with completing the student and main logic implementations to facilitate team formation among students, thereby enhancing the application's overall functionality.

Project Resources :

Heroku : <https://team-formation-be0f7e7d165b.herokuapp.com/>

GitHub Repo : <https://github.com/phanijyothi11-tamu/team-formation>

Project Management page : <https://github.com/users/phanijyothi11-tamu/projects/1>

Slack workspace : <https://app.slack.com/client/T07PN8XD8D7/C07P6NWELCD>