

PhD Annual Review System Iteration 5

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Stakeholders: This system will be used by the cse department to evaluate the reports submitted by PhD students. This system will be used by faculty members and students where faculty members can view the reports and submit their comments about the report. The student can submit their documents for the faculty members to review.

Recurring Client Meeting Time
- Every Wednesday at 2 pm

Customer Meeting Date and time: Nov 20, 2023 4:00 PM

Meeting place: [Zoom Link](#)

Client feedback:

1. Client tried the deployed app with the test users, got positive feedback from the client and were also asked to make some modifications.
2. Client asked us to add a change password feature for the student and faculty, change the logic to evaluate the final rating given to the student which is available on the admin dashboard.
3. One functionality was not working as expected so we were asked to fix that.
4. Also the client asked to make some cosmetic changes to the UI.

We have implemented and fixed all the above feedback in this iteration. We also have added more test cases and fixed the bugs that were known to us.

User Stories Implemented:

1) Change password feature to student and faculty .

We didn't have this feature earlier but during our interaction with the client we realized it is a good feature for the student and faculty members if we give them a default password and they want to update it.

2) Cosmetic changes on UI

The student document form has all the fields as mandatory if they want to successfully submit their document, but there are some fields which don't have to be mandatory so we fixed these and we also made some changes to the UI. And we also added styling to the button as some pages have inconsistent styling. We also made changes on the admin dashboard as well, admin can now see which students have submitted the documents correctly and what is their final evaluation result.

3) Student can view the submission which they made

As a student when I submit my documents and I want to see what was the response which I submitted I should be able to do that while I'm logged in. We added this feature so that the student can view the submissions made by them.

4) Students can view the comments made by committee members.

As a student when a committee member submits an assessment, I should be able to see the comments and feedback provided. We didn't deploy this feature in the last iteration as we didn't finish testing it, we have deployed this feature in this iteration.

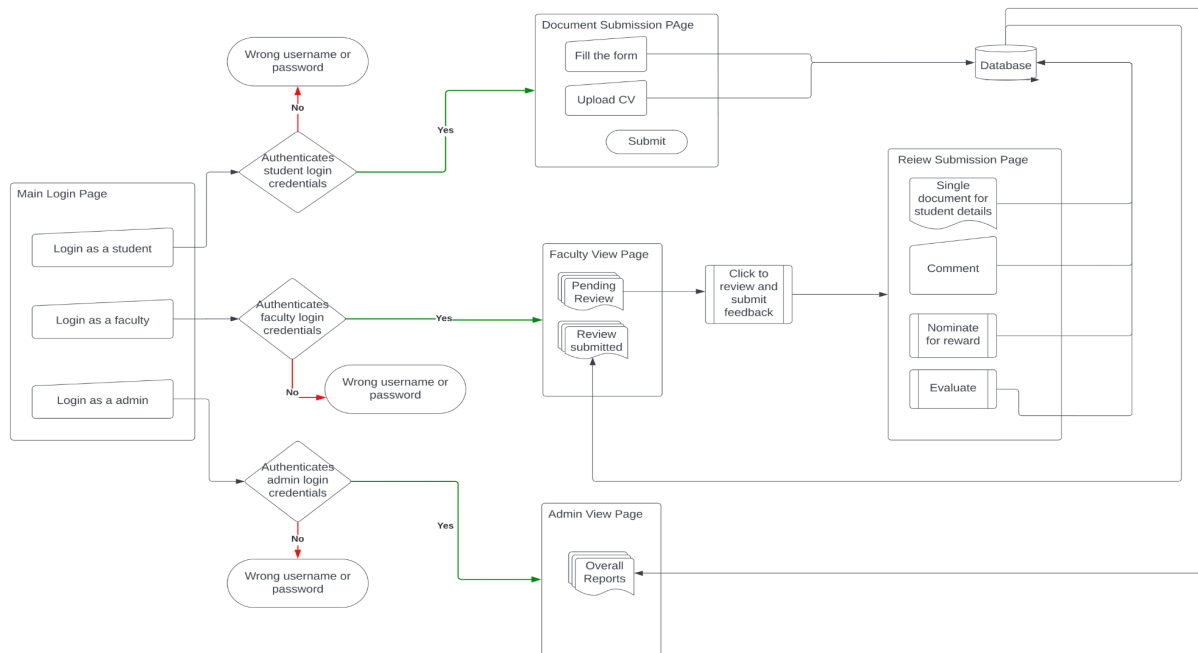
5) Fix the S3 bucket timeout issue

We had an issue where the object link that was stored in S3 used to expire after a certain time. We have fixed this issue and now we don't have the problem which we had earlier while fetching the documents.

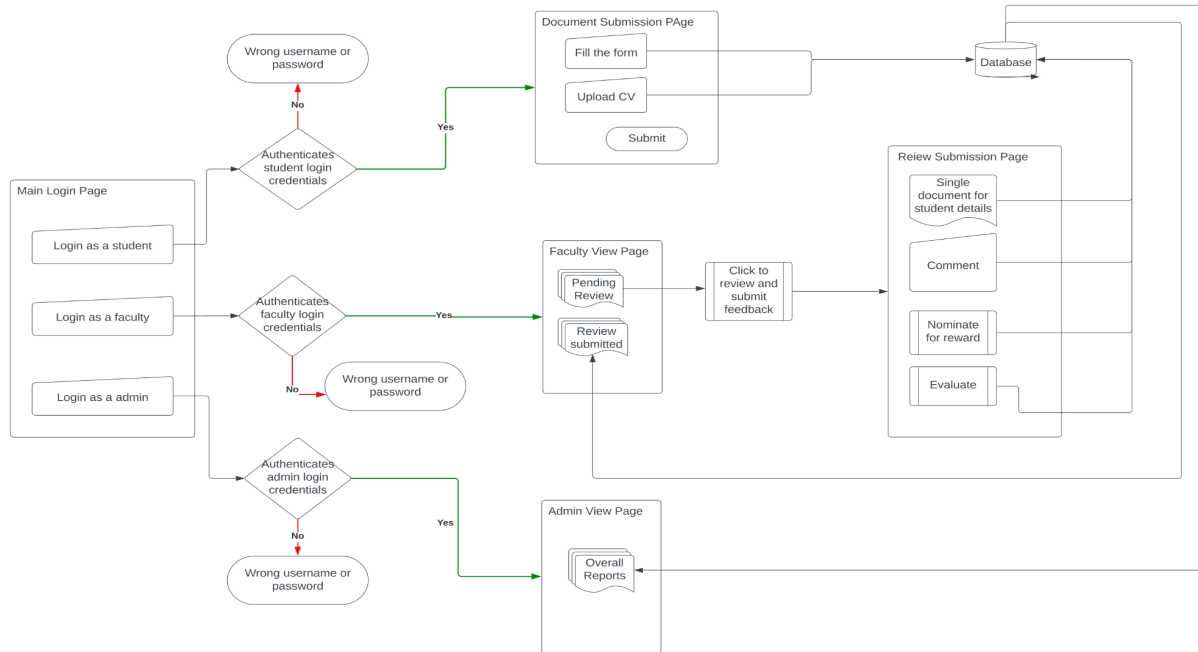
6) Fix the logic to get the final evaluation for a student

In order to show the final evaluation for the student to the admin, our client asked us to calculate it based on a custom logic which was provided by our client. We have implemented this logic as well.

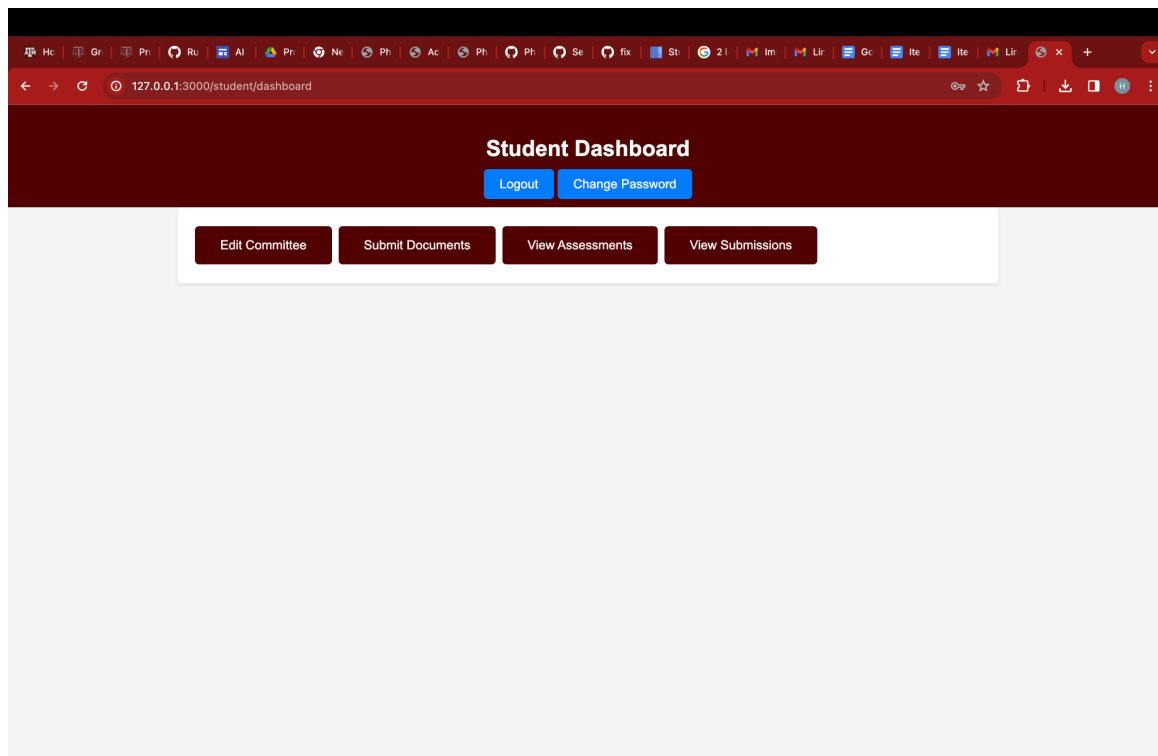
Design Diagram of Current Implementation:



Design Diagram of Target Implementation:



UI Changes



PhdReviewApp

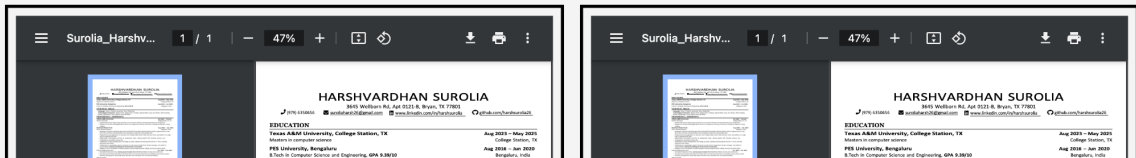
127.0.0.1:3000/student/view_submission

View Submission

Back to Dashboard

PHD Start Date	Spring 2023
Milestones Passed	<ul style="list-style-type: none">Passed Qual Exam (or exempt from Qual exam)
GPA	4.0
Improvement Plan Present	No
Improvement Plan Summary	N/A
Support in Last Semester	<ul style="list-style-type: none">None
Paper Submissions	1
Papers Published	1

Student Documents



PhdReviewApp

127.0.0.1:3000/student/change_password

Update Password

Back to Dashboard

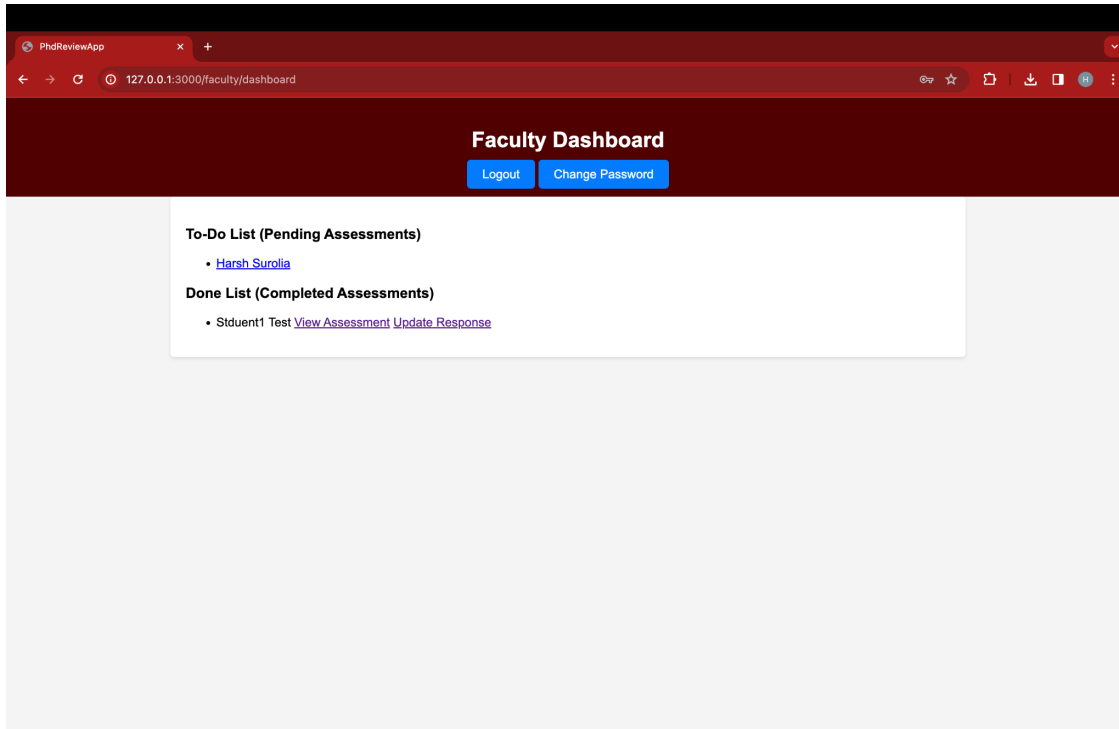
Update Password

Current Password

New Password

Confirm New Password

Update Password



The screenshot shows the 'student_documents' form in the 'PhdReviewApp'. The browser address bar indicates the URL '127.0.0.1:3000/student_documents'. The form is a table with the following fields:

First name	Harsh
Last name	Surolia
Uin	2609
Email	harshsurolia@tamu.edu
Phd start date	Select a date
Milestones passed	<input type="checkbox"/> Passed Qual Exam (or exempt from Qual exam) <input type="checkbox"/> Have Approved Degree Plan (including committee) <input type="checkbox"/> Passed Prelim Exam <input type="checkbox"/> Have Approved PhD Proposal <input type="checkbox"/> Defended Dissertation <input type="checkbox"/> Submitted Dissertation
Improvement plan present	Select a value
Improvement plan summary	
Gpa	
Support in last semester	<input type="checkbox"/> Research Assistantship with Faculty Member <input type="checkbox"/> Teaching Assistantship <input type="checkbox"/> Fellowship <input type="checkbox"/> Job within TAMU <input type="checkbox"/> Job outside TAMU <input type="checkbox"/> Other <input type="checkbox"/> None
Number of paper submissions last year	
Number of papers published last year	

Below the table, there is a 'Resume' section with a 'Choose File' button and a text box containing 'No file chosen'. At the bottom, there is a 'Report' label.

Admin Dashboard									
Logout									
Export as CSV									
Student Name	Ready for Review	Faculty Chair	Committee Member 1	Committee Member 2	Committee Member 3	Committee Member 4	Needs Improvement	Nominated	Final Evaluation
Student2 Test	✖								
Student3 Test	✖								
Student1 Test	✖	Prof Example ✔	John Doe ✔					✔	Satisfactory
Harsh Surolia	✔	Prof Example ✔							

User stories not completed in this iteration

- We have implemented all the user stories which we picked up in this iteration. There are some UI changes which were low priority, we will try to make these changes before submitting the final report to the client.

Code and Test Evaluation

Cucumber tests:

```
Given I am on the sign up page # features/step_definitions/student_steps.rb:3
When I fill in "first_name" with "John" # features/step_definitions/student_steps.rb:20
And I fill in "last_name" with "Doe" # features/step_definitions/student_steps.rb:20
And I fill in "UIDN" with "12345" # features/step_definitions/student_steps.rb:20
And I fill in "email_id" with "john@tamu.edu" # features/step_definitions/student_steps.rb:20
And I fill in "password" with "password" # features/step_definitions/student_steps.rb:20
And I fill in "confirm_password" with "password" # features/step_definitions/student_steps.rb:20
And I submit form # features/step_definitions/student_steps.rb:28
Then I should be redirected to student document path # features/step_definitions/student_steps.rb:176

Feature: View Assessments
  As a student
  I want to be able to view assessments made by faculty
  So that I can see feedback on my academic performance

Scenario: Student views all assessments # features/student_view_assessments.feature:6
  Given I am a logged-in student # features/step_definitions/student_steps.rb:38
  And I have two faculty members who have made assessments # features/step_definitions/student_steps.rb:180
  When I click the "View Assessments" link # features/step_definitions/student_steps.rb:100
  Then I should be on the "View Assessments" page # features/step_definitions/student_steps.rb:84
  And I should see "Prof1 Test1" # features/step_definitions/student_steps.rb:24
  And I should see "Excellent work!" # features/step_definitions/student_steps.rb:24
  And I should see "5" # features/step_definitions/student_steps.rb:24
  And I should see "Yes" # features/step_definitions/student_steps.rb:24
  And I should see "Prof2 Test2" # features/step_definitions/student_steps.rb:24
  And I should see "Needs improvement." # features/step_definitions/student_steps.rb:24
  And I should see "3" # features/step_definitions/student_steps.rb:24
  And I should see "No" # features/step_definitions/student_steps.rb:24

Scenario: Student views assessments when none are available # features/student_view_assessments.feature:20
  Given I am a logged-in student # features/step_definitions/student_steps.rb:38
  When I click the "View Assessments" link # features/step_definitions/student_steps.rb:100
  Then I should be on the "View Assessments" page # features/step_definitions/student_steps.rb:84
  And I should see "There are currently no assessments ready for your review." # features/step_definitions/student_steps.rb:24

37 scenarios (37 passed)
316 steps (316 passed)
0m6.220s

View your Cucumber Report at:
https://reports.cucumber.io/reports/f68737d3-3fdb-492d-bde4-4537346f4f89

This report will self-destruct in 24h.
Keep reports forever: https://reports.cucumber.io/profile
```

PhdReviewApp

Iteration 5 - Google Docs

Cucumber Reports

reports.cucumber.io/reports/f68737d3-3fdb-492d-bde4-4537346f4f89

Cucumber Reports

Log in with GitHub

This report will self-destruct in a day. Keep your future reports forever.

37 PASSED

<div>100% passed</div> <div>37 executed</div> <div><div>OS</div><div>darwin22</div></div>	<div>a minute ago</div> <div>Last Run</div> <div><div><div></div></div><div>ruby 3.2.2</div></div>	<div>6.22 seconds</div> <div>Duration</div> <div><div><div></div></div><div>cucumber-ruby 8.0.0</div></div>
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Delete Report

features/admin_login.feature

features/faculty_dashboard.feature

features/faculty_login.feature

features/student_committee_management.feature

features/student_document.feature

features/student_login.feature

features/student_signup.feature

features/student_view_assessments.feature

Rspec tests:

```
harshvardhansurolia@Harshvardhans-MacBook-Air PhD-Annual-Review-System % bundle exec rspec
WARNING: Cucumber-rails required outside of env.rb. The rest of loading is being deferred
until env.rb is called. To avoid this warning, move 'gem 'cucumber-rails', require: false'
under only group :test in your Gemfile. If already in the :test group, be sure you are
specifying 'require: false'.

.....

Finished in 1.77 seconds (files took 1.28 seconds to load)
67 examples, 0 failures

Coverage report generated for RSpec to /Users/harshvardhansurolia/Desktop/SE/PhD-Annual-Review-System/coverage. 852 / 899 LOC (94.77%) covered.
harshvardhansurolia@Harshvardhans-MacBook-Air PhD-Annual-Review-System %
```

PhdReviewApp x Iteration 5 - Google Docs x Cucumber Reports x Code coverage for Phd-annu x +

← → ↻ 🔍 📄 /Users/harshvardhansurolia/Desktop/SE/PhD-Annual-Review-System/coverage/index.html#_AllFiles ☆ 📄 ⬇️ 📄 ⓘ ⋮

All Files (94.77%) Generated 4 minutes ago

All Files (94.77% covered at 1.9 hits/line)

44 files in total.
899 relevant lines, 852 lines covered and 47 lines missed. (94.77%)

Search:

File	% covered ▲	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/controllers/faculty_controller.rb	80.49 %	157	82	66	16	1.22
app/controllers/admin_controller.rb	81.82 %	38	22	18	4	0.91
app/controllers/student_controller.rb	85.11 %	176	94	80	14	1.78
app/models/assessment.rb	86.67 %	23	15	13	2	4.13
app/controllers/student_documents_controller.rb	87.50 %	150	72	63	9	1.14
app/models/student_document.rb	93.94 %	49	33	31	2	6.15
app/controllers/application_controller.rb	100.00 %	2	1	1	0	1.00
app/helpers/admin_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/application_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/document_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/faculty_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/home_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/student_documents_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/student_helper.rb	100.00 %	2	1	1	0	1.00
app/helpers/welcome_helper.rb	100.00 %	2	1	1	0	1.00
app/models/admin.rb	100.00 %	12	7	7	0	2.29
app/models/application_record.rb	100.00 %	3	2	2	0	1.00

Relevant Links

Project Management (Github):

<https://github.com/orgs/PhD-Annual-Review-System/projects/2>

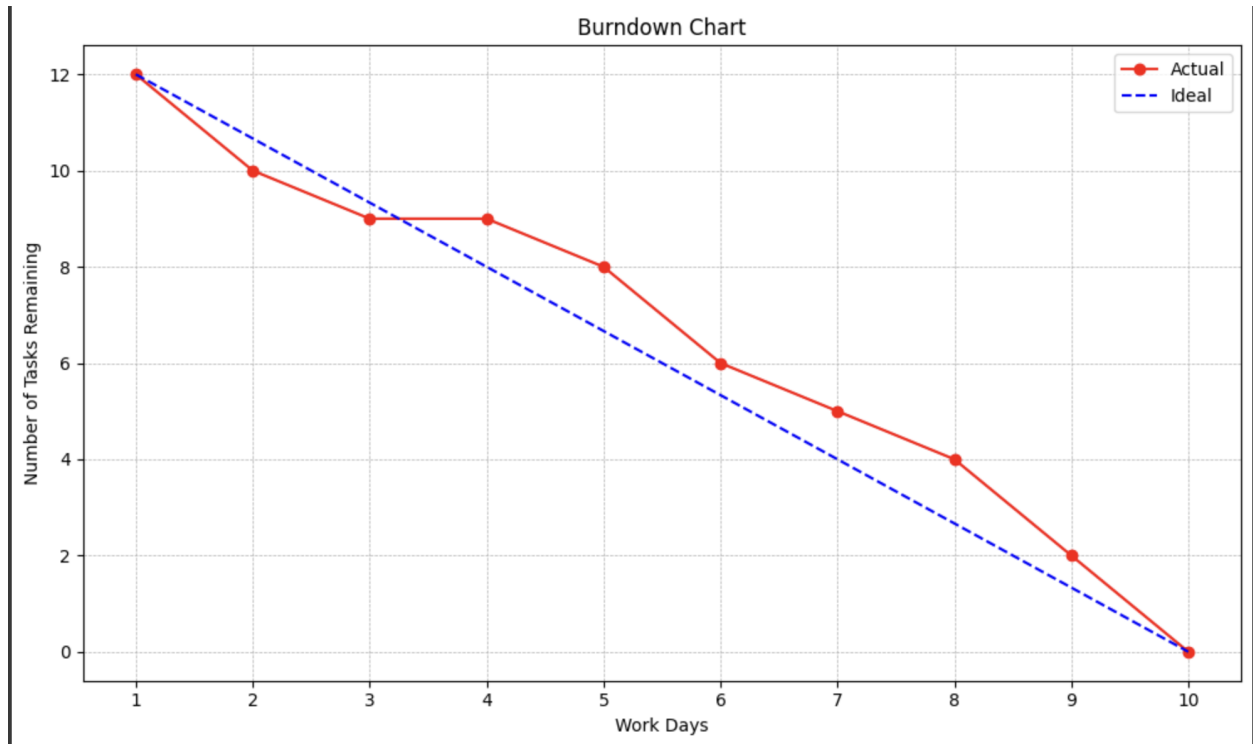
Github Repository:

<https://github.com/PhD-Annual-Review-System/PhD-Annual-Review-System>

Heroku:

<https://phd-review-app-0416787b021c.herokuapp.com/>

Burndown Chart



Effort Breakdown

Name	P_i	$E = \frac{n \cdot P_i}{P_T} \cdot 100, P_T = 12$
Neha Joshi	2	1
Shwetima Sakshi	2	1
Prachi Surbhi	2	1
Harshvardhan Surolia	2	1
Shashank Jagtap	2	1
Will Harper	2	1