CSCI 5308: Advanced Topics in Software Development Concepts

Project Report

"SCRUM ACERS"

Scrum Acers is a platform that is developed to increase the development productivity by making the scrum time more productive by letting the peers know about the updates and blockers beforehand. Also, this platform is developed to avoid unnecessary long calls/meetings so that team members can focus more on getting the work done.

Project Objectives

- Increase Dev productivity by decreasing time spent on project management tasks
- Mitigate Daily Stand-up meetings
- Provide a platform for team members to vote/provide feedback for current and future scrums anonymously
- Provide a platform for company-wide / project-wide announcements
- Recognize efficient teamwork and great intra-team collaborations by giving out badges to well-deserving employees

Project Features:-

1) Login for each employee
2) Daily Scrum Forms-Guryash/Aditya
3) Leave Management-Sukaran
4) Badging -Guryash/Aditya
5) Announcement-Parvish/Sukaran
6) Survey-- Guryash /Sukaran
7) Notification-Guryash/Aditya
8) Hours Tracking-Parvish/Aditya
9) Profile Creation of each Employee-Farhin/Sukaran
10) My Profile-Farhin/Parvish

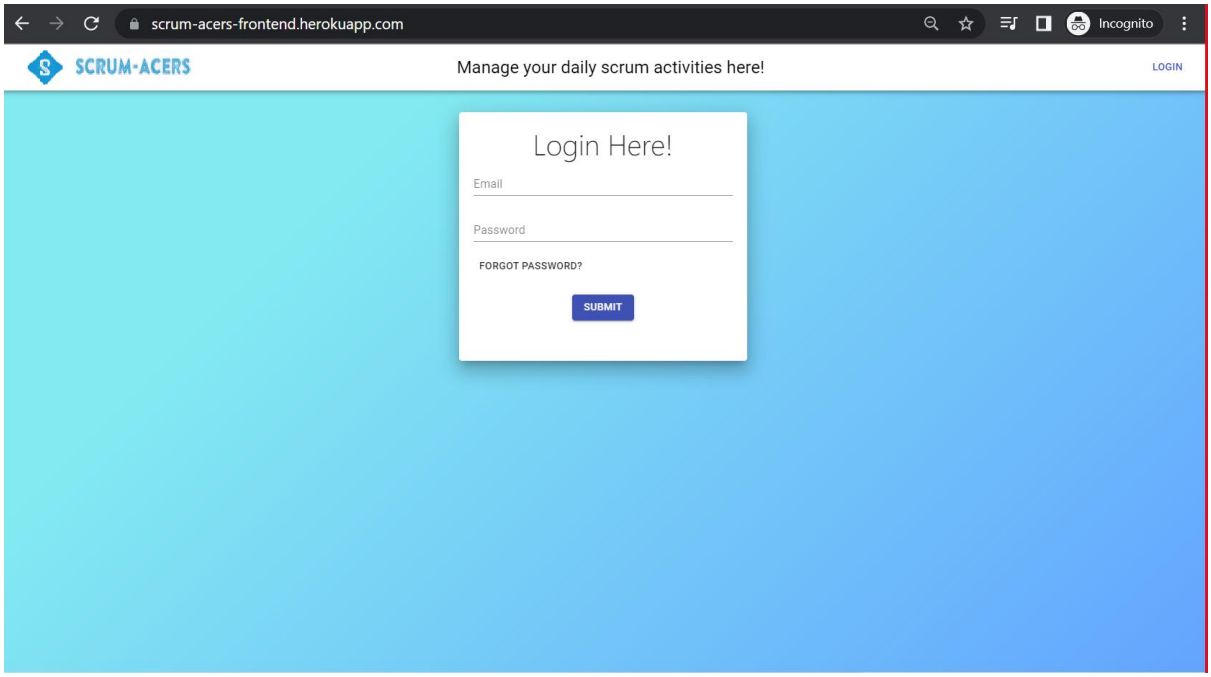
Feature 1: Log in for Each Employee

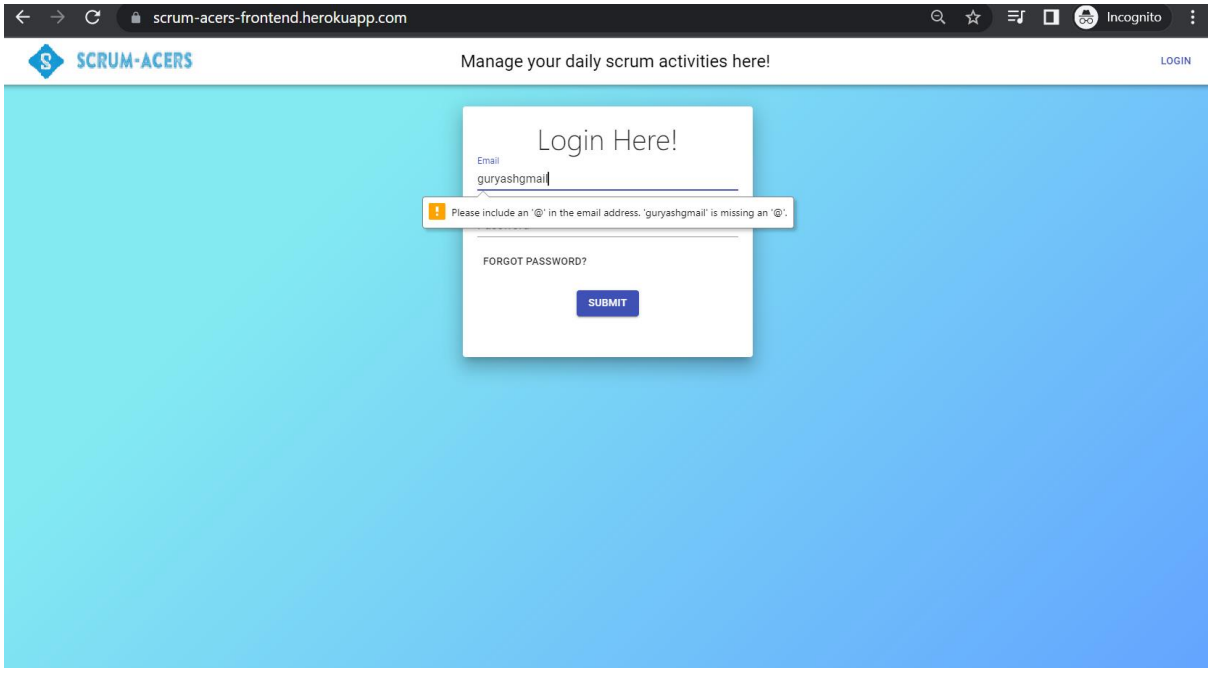
- It is the first page, where the user gets the option to login into their account.
- We have taken care of all the validations and users will be able to login only with the correct credentials.
- We have also incorporated the forgot password functionality
- The password is stored in encrypted form in the database using bcrypt

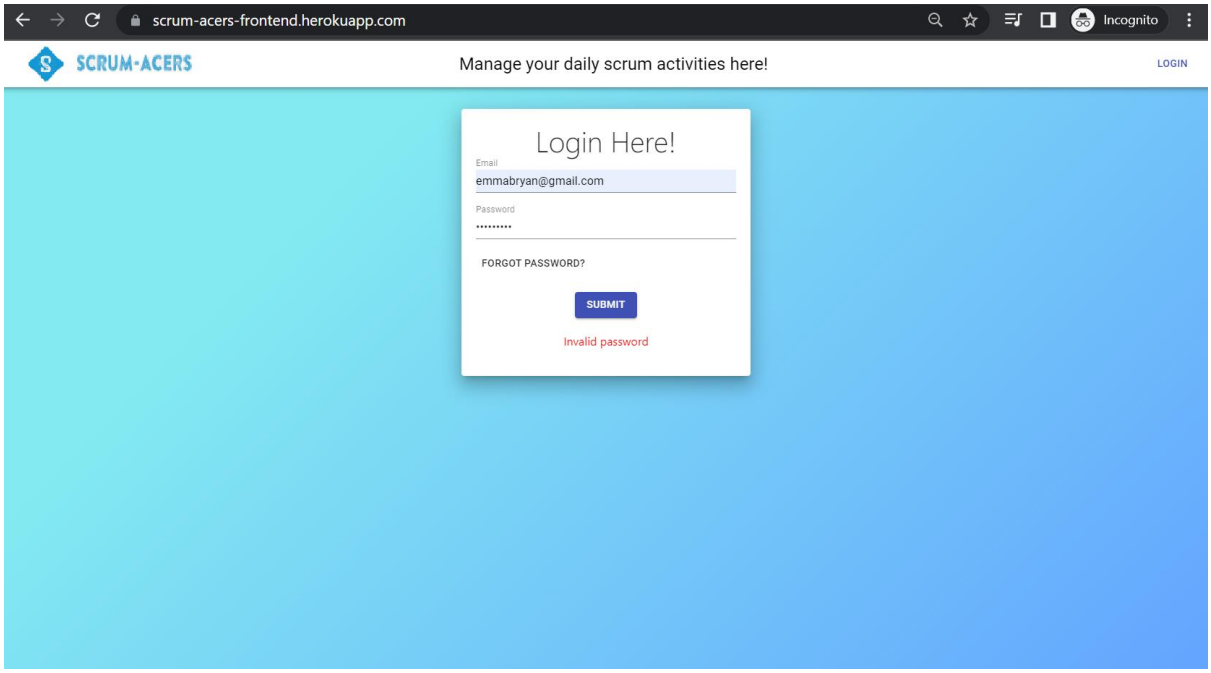
Result Grid | Filter Rows: | Export: | Wrap Cell Content:

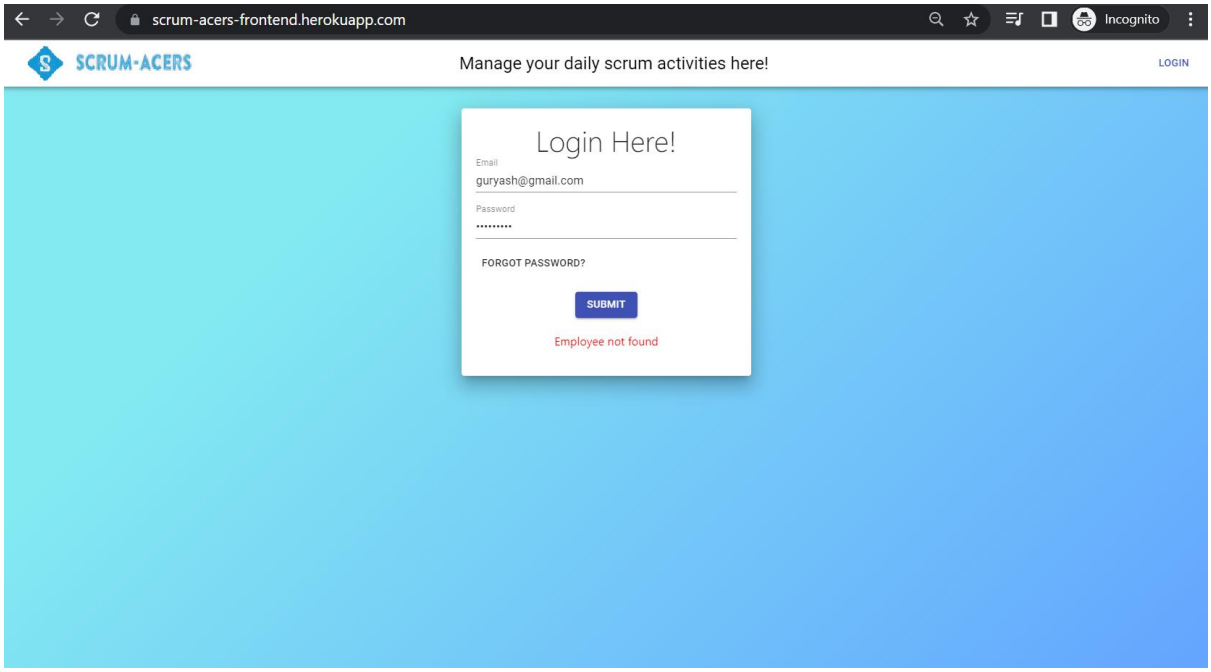
emp_id	first_name	last_name	email	password
1	Sam	Rogers	samrogers@gmail.com	$2b$10$pyGd8rQV12OM6XeTGsdEWuqRI/IZcr
2	Elon	Musk	elonmusk@gmail.com	$2b$10$eLD9pL1uHGzyve0etI4uJetCqguM1Em
3	Jack	Ryan	jackryan@gmail.com	$2b$10$EYIJmg2BMPCOEnM4mL30zeN6Qb4/F
4	Robert	Yen	robertyen@gmail.com	$2b$10$5WdFoandWjfZ4pEeKAhEqOeUML3BJ
5	Brian	Rogers	brianrogers@gmail.com	$2b$10$ArbirY/hCMoaeK2e2OUvqOlynLXhwiH
7	Emma	Bryan	emmabryan@gmail.com	$2b$10$s0HhZ7ezcgvsEB0C0UGJD.BQnOLTbR

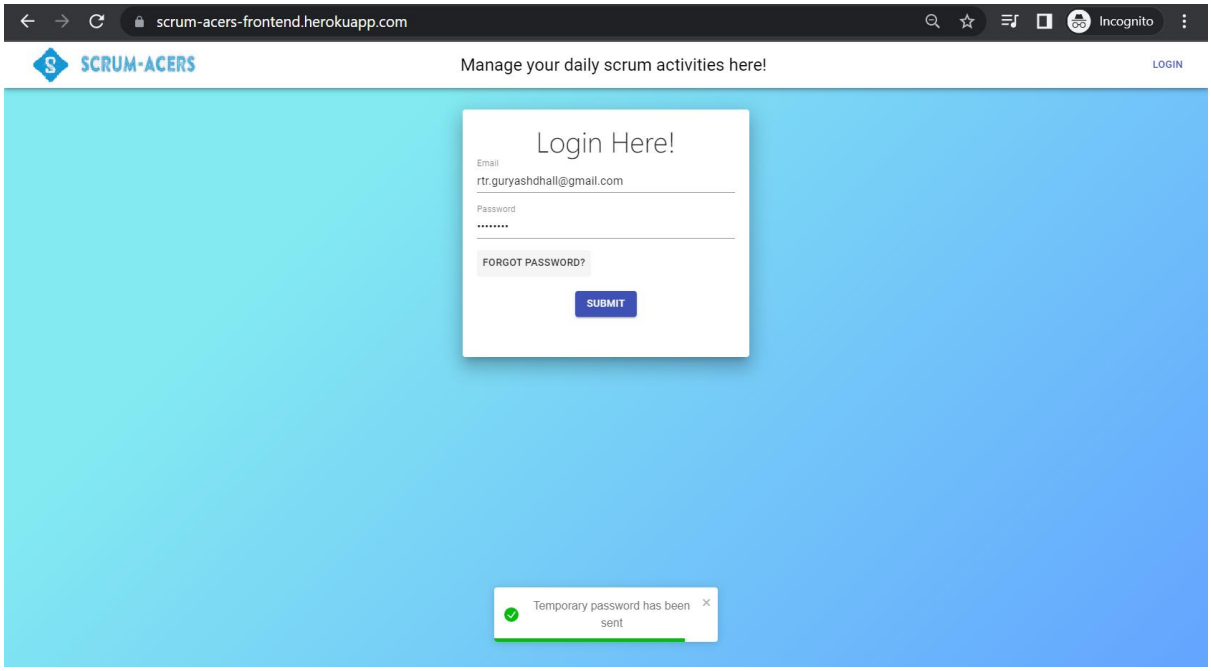
Api level usages






scrum-acers-frontend.herokuapp.com
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
LOGIN
Login Here!
Email
emmabryan@gmail.com
Password
FORGOT PASSWORD?
SUBMIT
Invalid password


scrum-acers-frontend.herokuapp.com
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
LOGIN
Login Here!
Email
guryash@gmail.com
Password
FORGOT PASSWORD?
SUBMIT
Employee not found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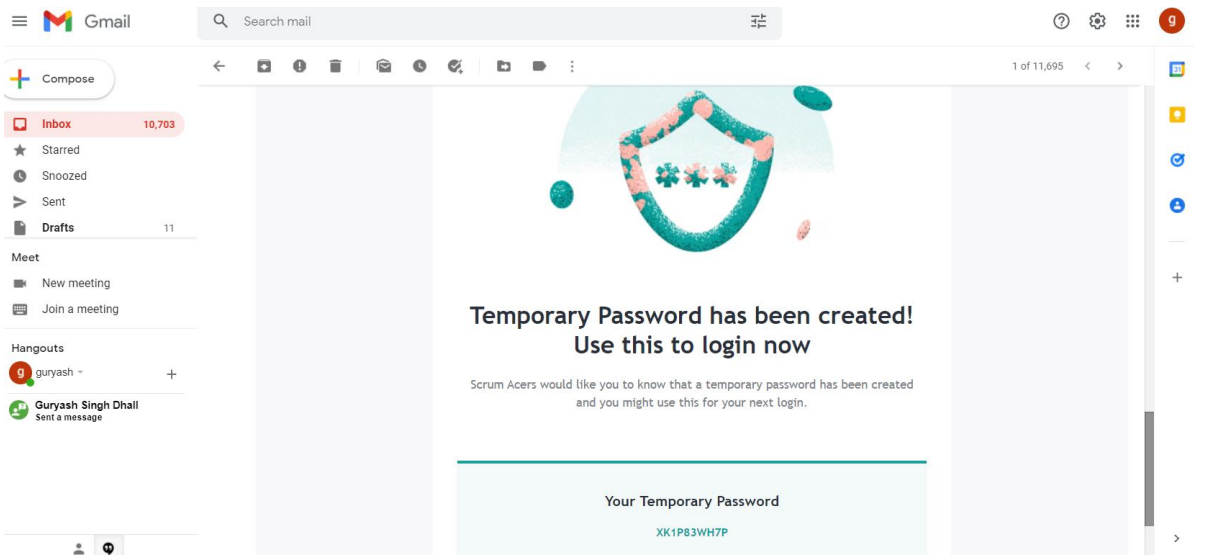
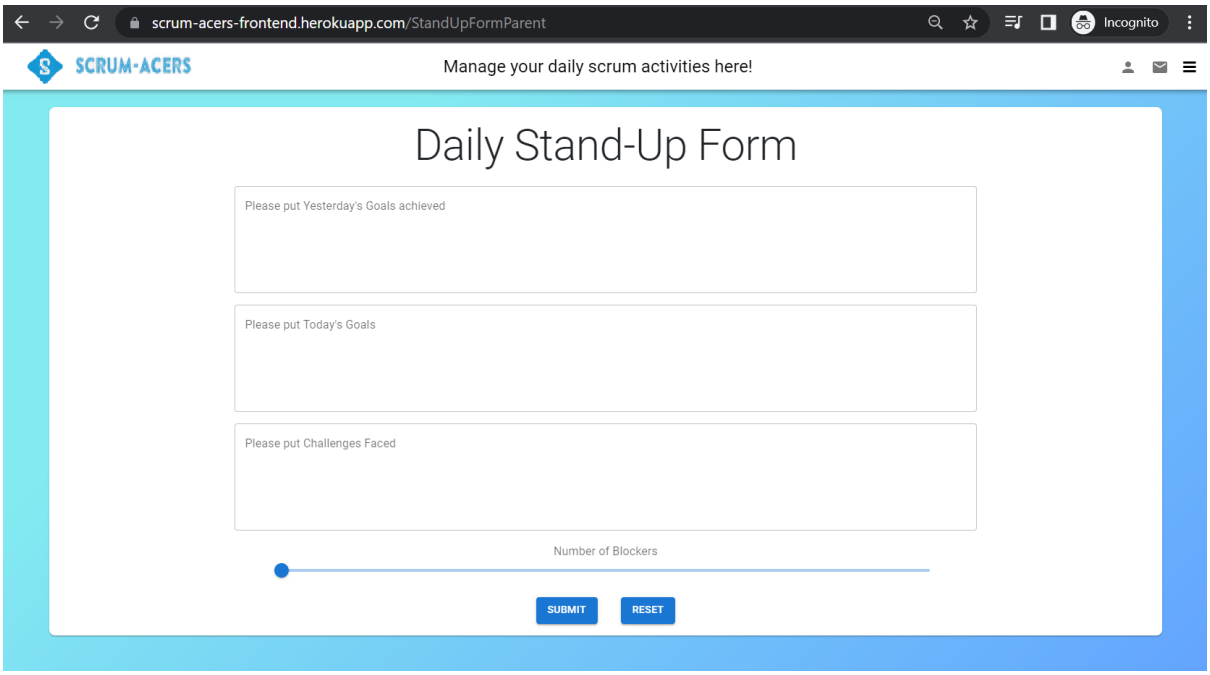
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
LOGIN
Login Here!
Email
rtr.guryashdhall@gmail.com
Password
FORGOT PASSWORD?
SUBMIT
Temporary password has been sent

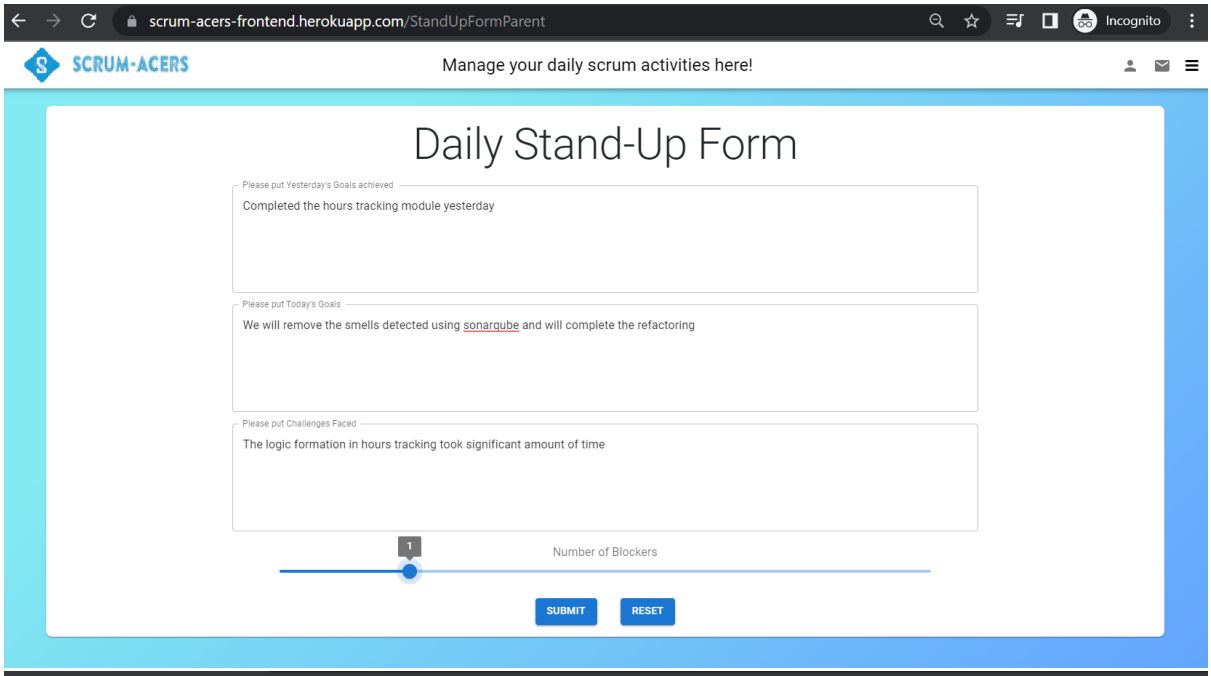

Gmail
Search mail
Compose
Inbox 10,703
Starred
Snoozed
Sent
Drafts 11
Meet
New meeting
Join a meeting
Hangouts
guryash
Guryash Singh Dhall
Sent a message
1 of 11,695
Temporary Password has been created!
Use this to login now
Scrum Acers would like you to know that a temporary password has been created and you might use this for your next login.
Your Temporary Password
XK1P83WH7P

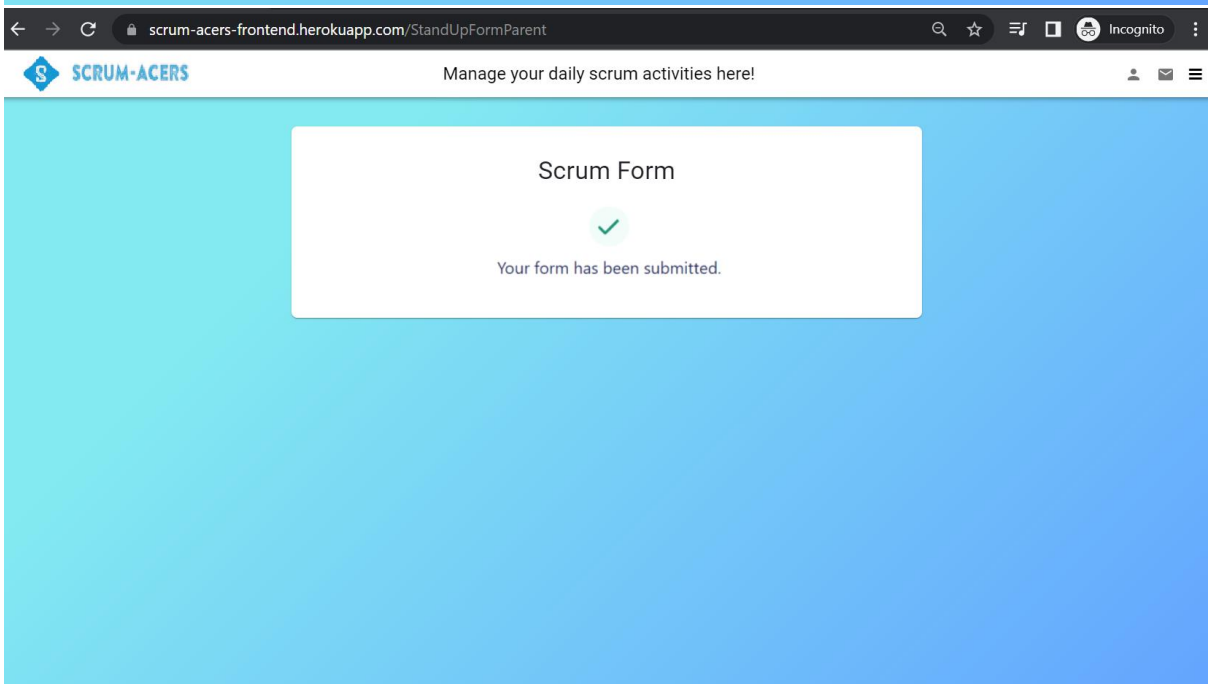
Feature 2:- Daily Scrum form

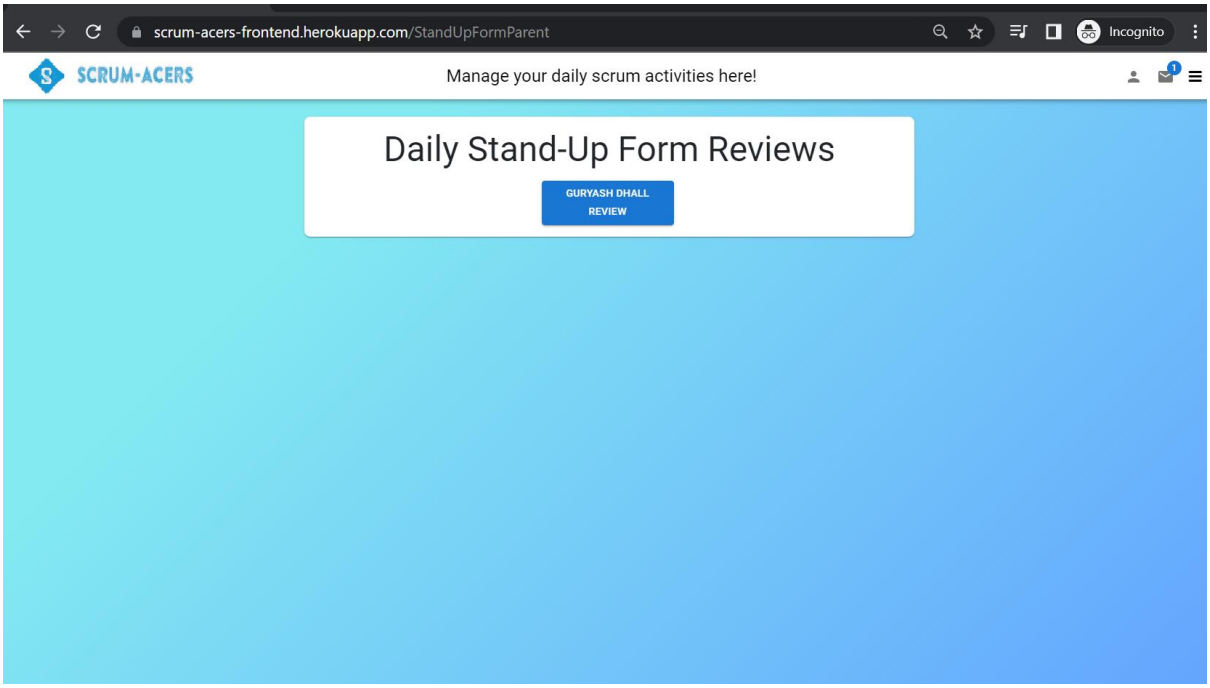
The employees need to fill a stand up form daily so that the updates are floated within the team. Also, it reduces the need of daily stand up meetings.

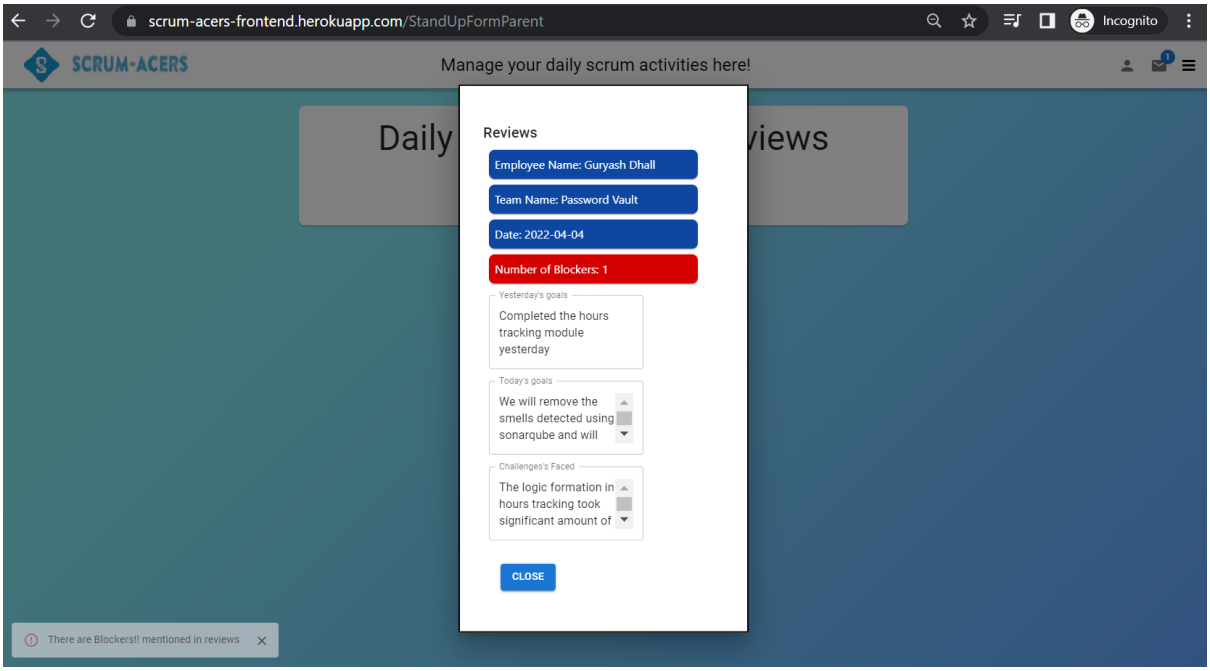
- Each employee needs to fill the daily stand-up form which consists of the following questions
    - Yesterday's Goals
    - Today's Goals
    - Challenges Faced
    - Blockers if any
- Employee can fill up the stand-up form only once, if the person tries to fill the form again then it will display "Stand-up form can be filled only once"
- Team Lead would be able to view the form filled by all team members
- If an employee adds a blocker , a notification would be sent to all team members




scrum-acers-frontend.herokuapp.com/StandUpFormParent
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
Daily Stand-Up Form
Please put Yesterday's Goals achieved
Completed the hours tracking module yesterday
Please put Today's Goals
We will remove the smells detected using sonarqube and will complete the refactoring
Please put Challenges Faced
The logic formation in hours tracking took significant amount of time
1
Number of Blockers
SUBMIT
RESET


scrum-acers-frontend.herokuapp.com/StandUpFormParent
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
Scrum Form
Your form has been submitted.

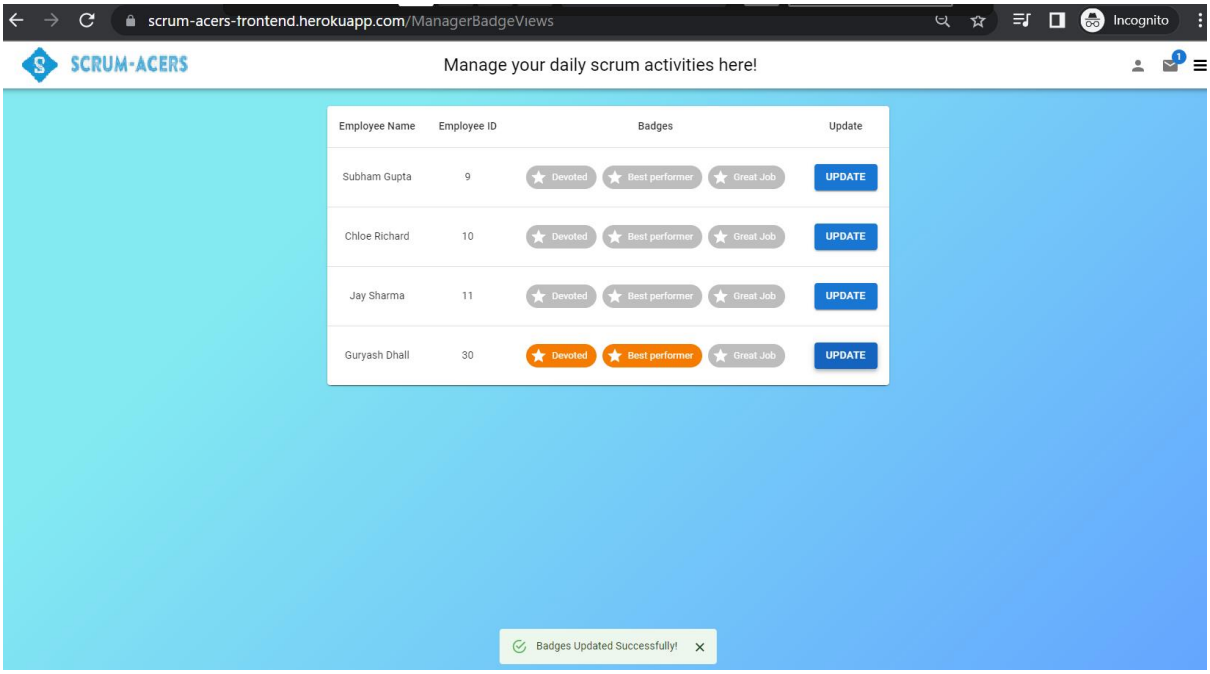




Feature 4 : Badging

This feature is designed for appreciating individual efforts and motivate the employees.

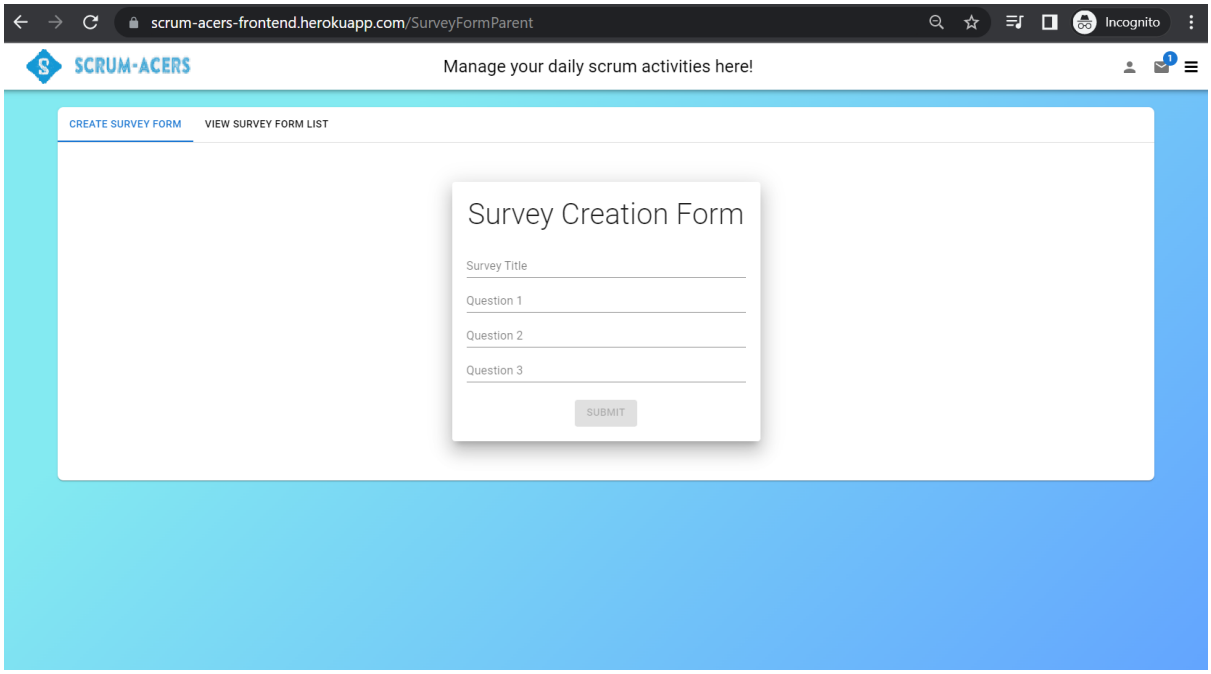
- Manager and Team Lead have the option to provide the badges to the employees
- The badges are displayed on the profile page of each employees
- Manager can add/update the badges provided to the employees

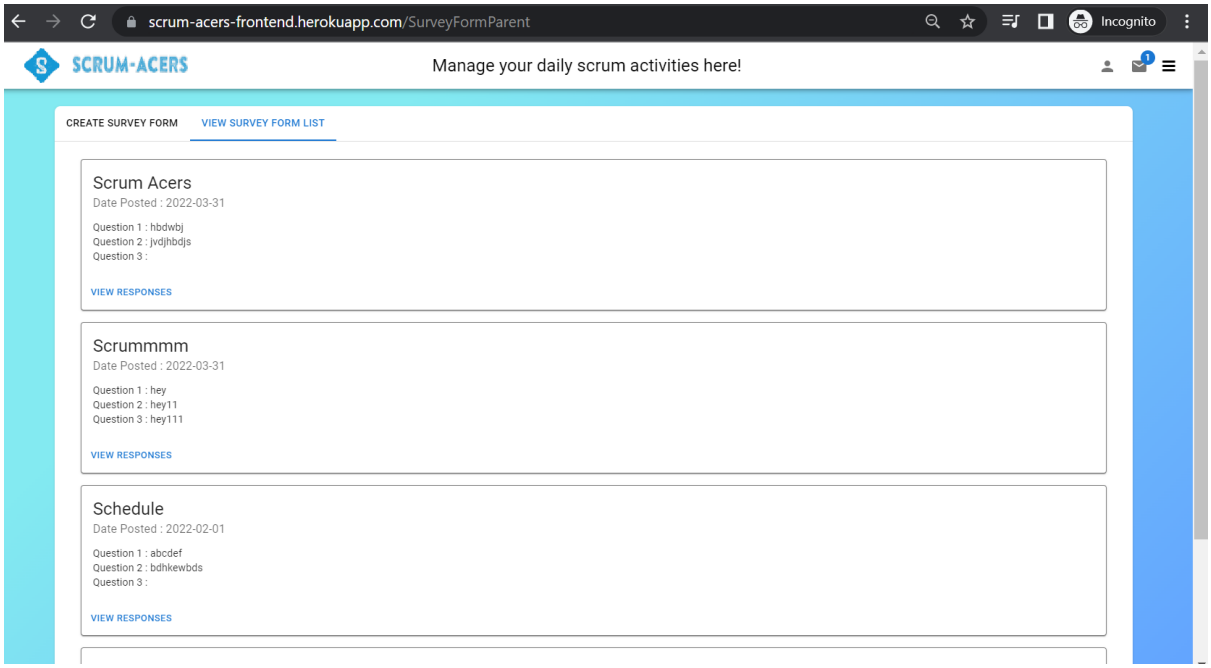


Feature : Survey

This is designed to take informal survey from the employess on how the team is performing and appropriate actions can be taken from the response of the survey

- Manger/Team Lead has the option of creating a survey
- The survey form can have maximum of 3 questions and a minimum of 1 question
- The validity of each survey is one week
- The employees within the team will have the option to fill up the survey
- Manager will be able to see the list of employees who have filed the survey
- Manager will be able to see the responses which are filled by employees





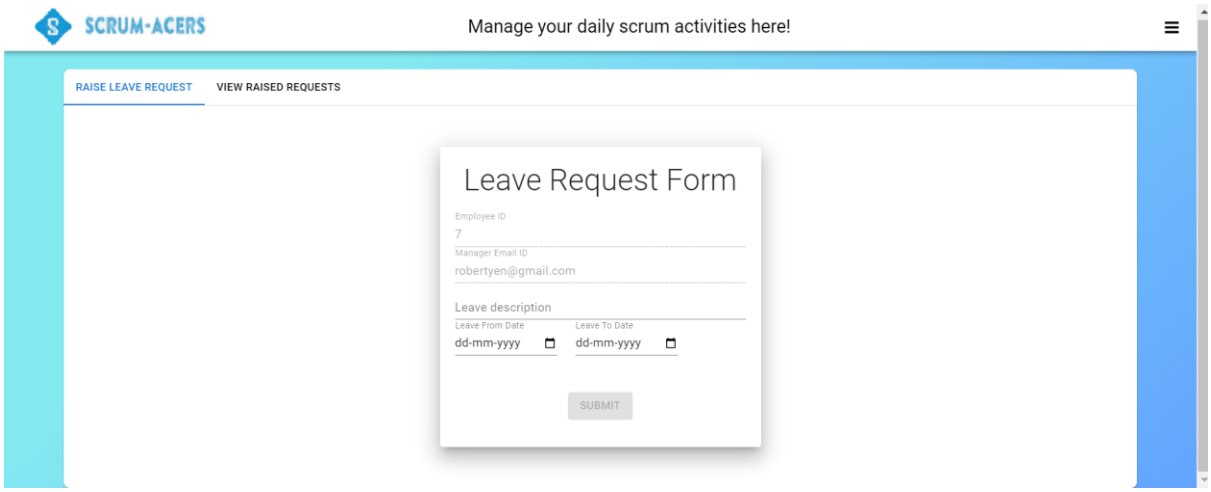
Feature : Leave Management Module

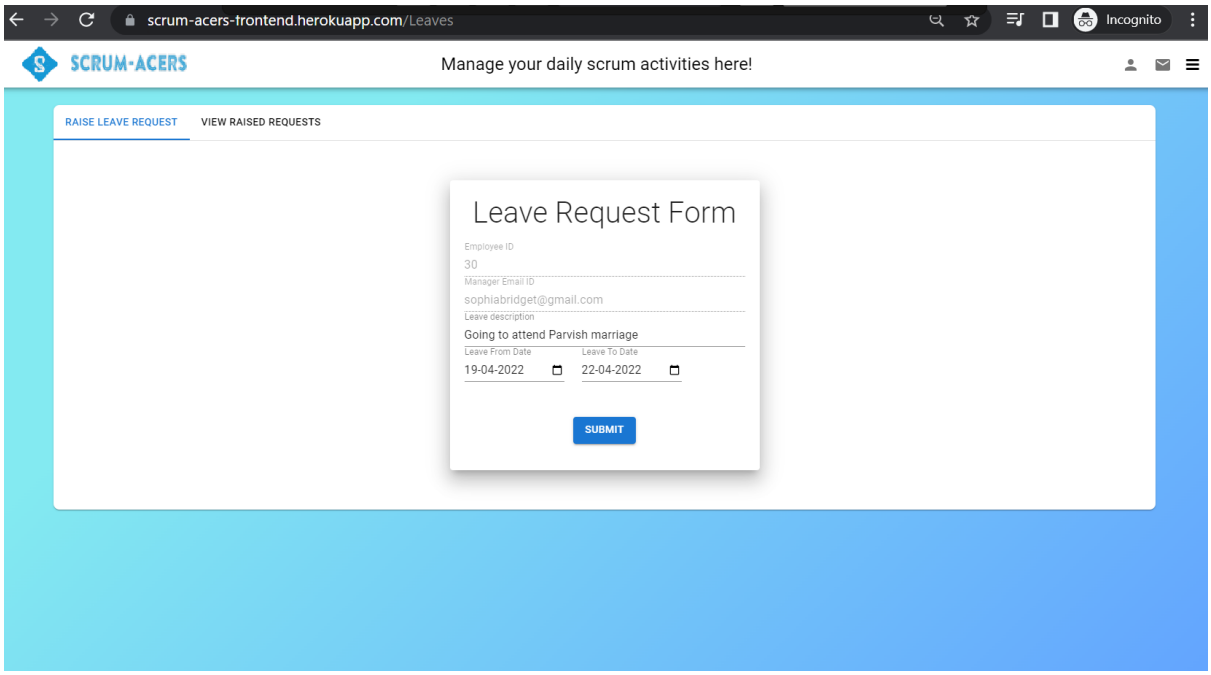
This feature aids all the employees to apply for a leave and manager of that employee can approve or reject the leaves.

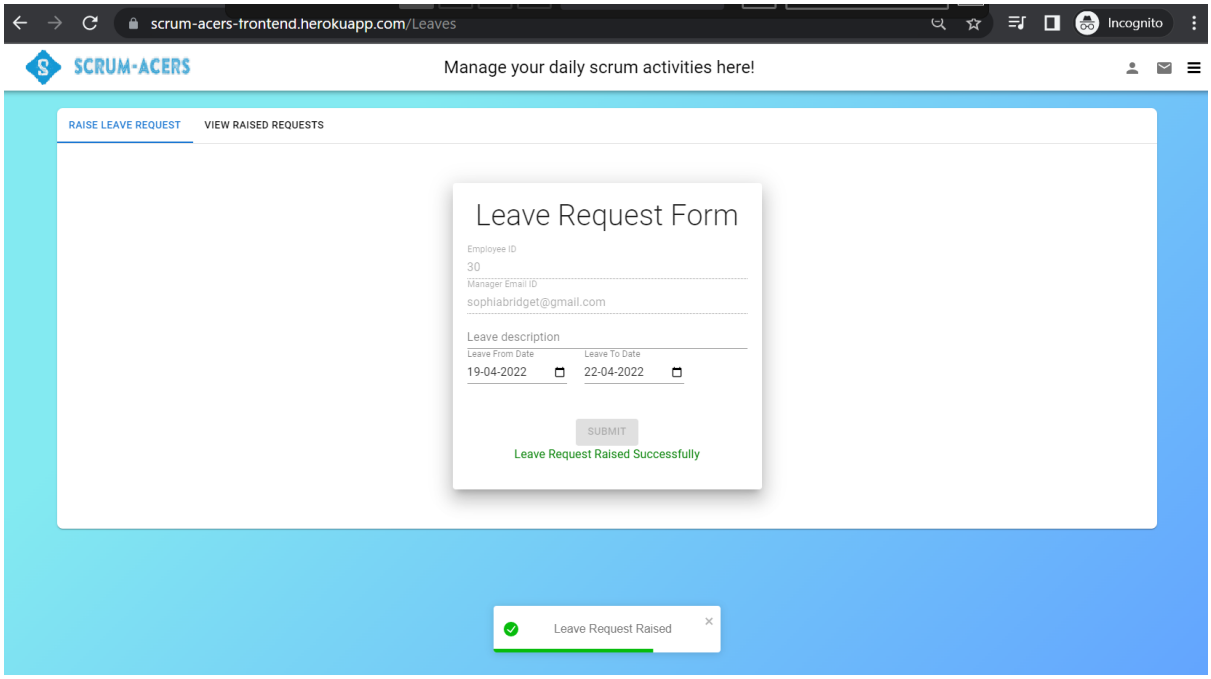
- The Employees can apply for a leave in the ‘Raise Leave Request’ tab
- The Employee can view the leaves raised by them in the ‘ View Raised Requests’ tab

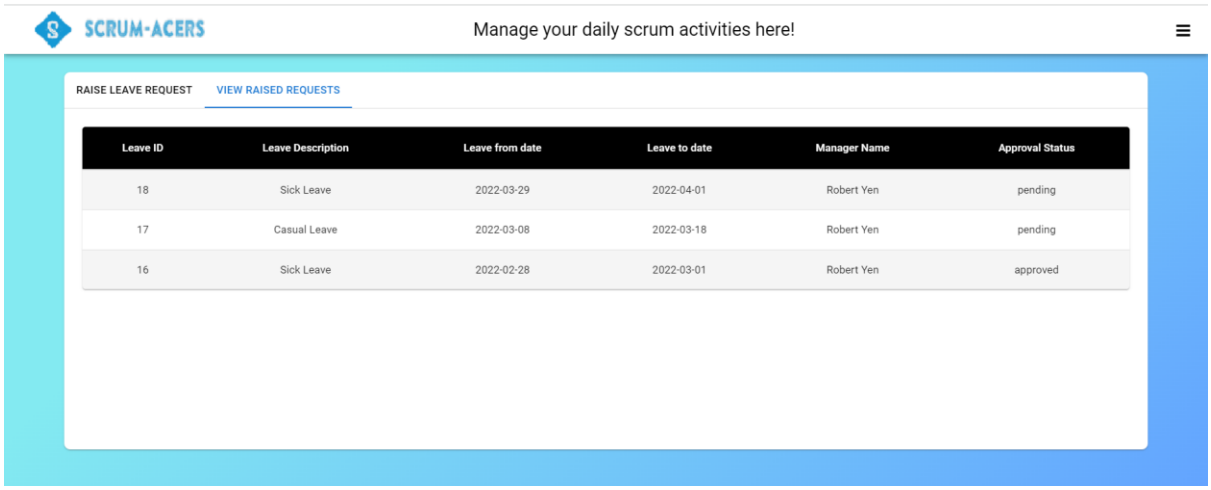
- Manager has an extra ta

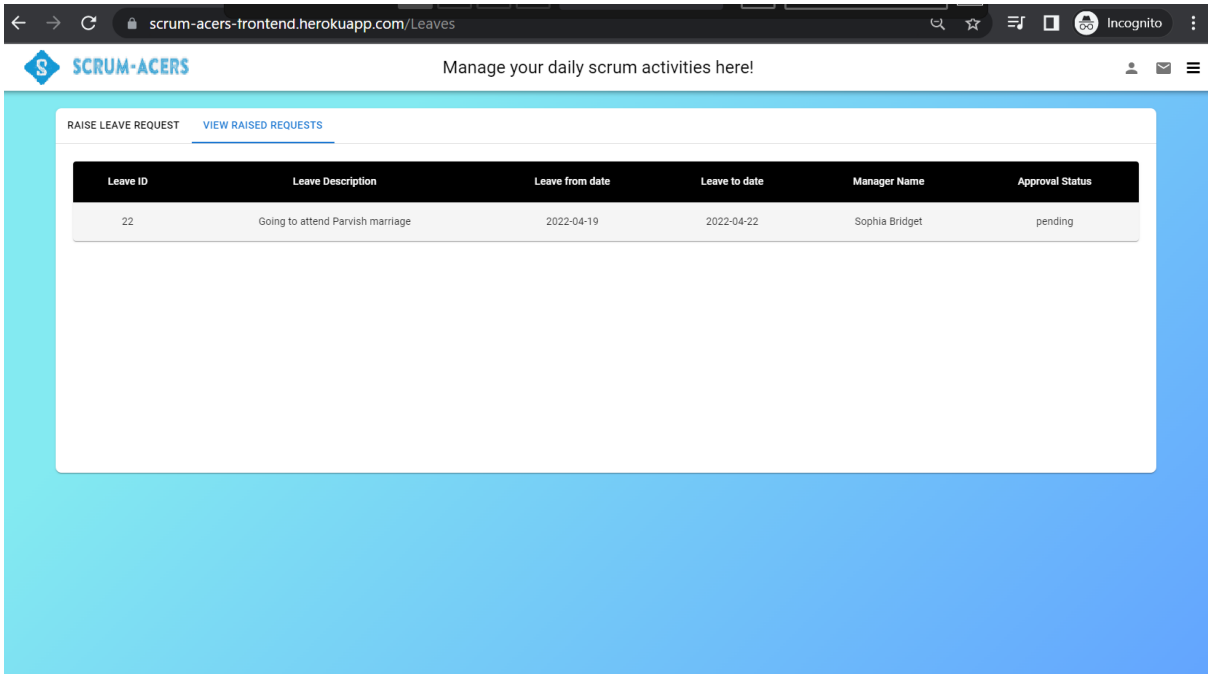
  Leave Request:



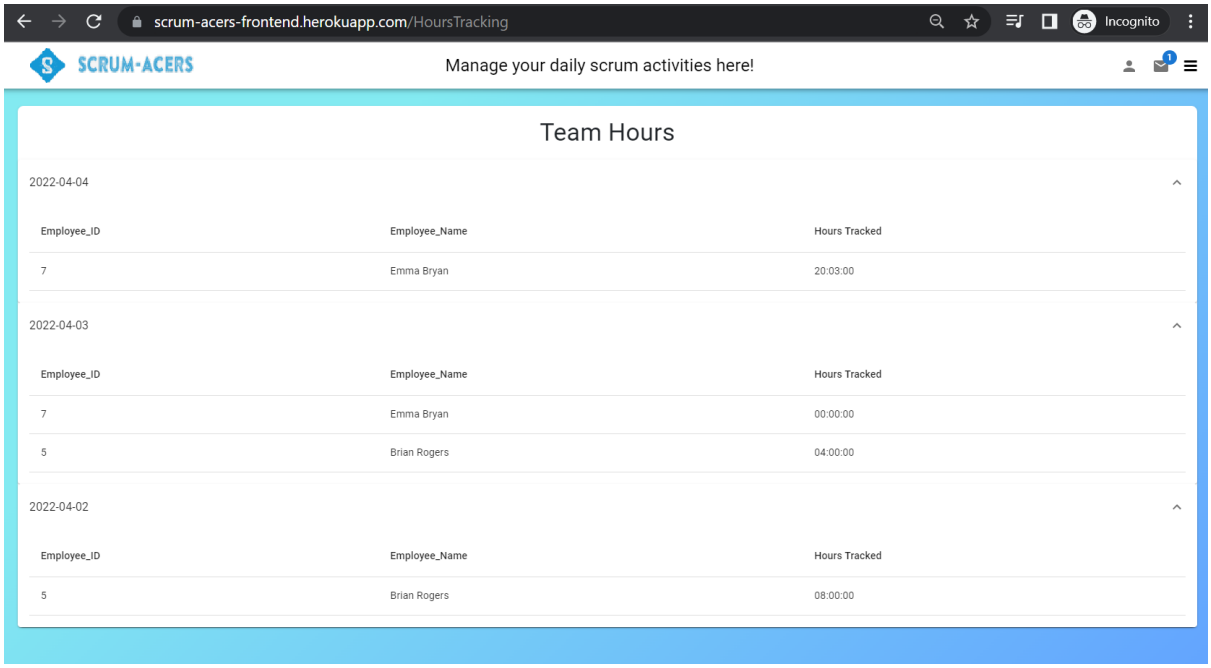



scrum-acers-frontend.herokuapp.com/Leaves
Incognito
SCRUM-ACERS
Manage your daily scrum activities here!
RAISE LEAVE REQUEST
VIEW RAISED REQUESTS
Leave Request Form
Employee ID
30
Manager Email ID
sophiabridget@gmail.com
Leave description
Leave From Date
19-04-2022
Leave To Date
22-04-2022
SUBMIT
Leave Request Raised Successfully
Leave Request Raised

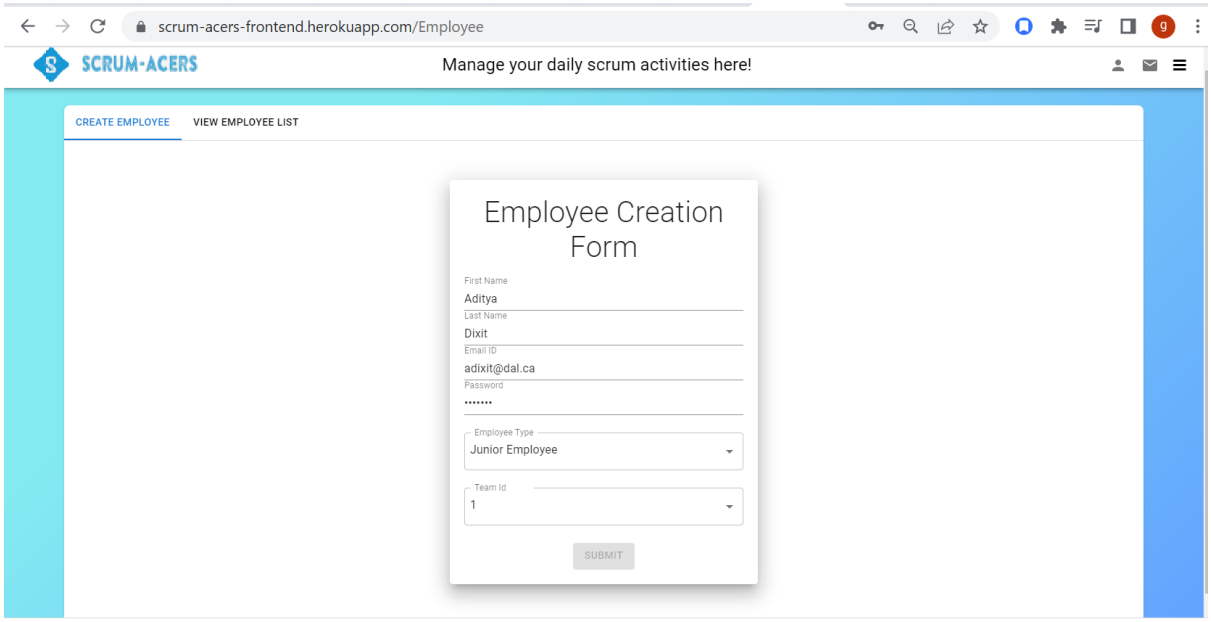

SCRUM-ACERS
Manage your daily scrum activities here!
RAISE LEAVE REQUEST
VIEW RAISED REQUESTS
Leave ID
Leave Description
Leave from date
Leave to date
Manager Name
Approval Status
18
Sick Leave
2022-03-29
2022-04-01
Robert Yen
pending
17
Casual Leave
2022-03-08
2022-03-18
Robert Yen
pending
16
Sick Leave
2022-02-28
2022-03-01
Robert Yen
approved

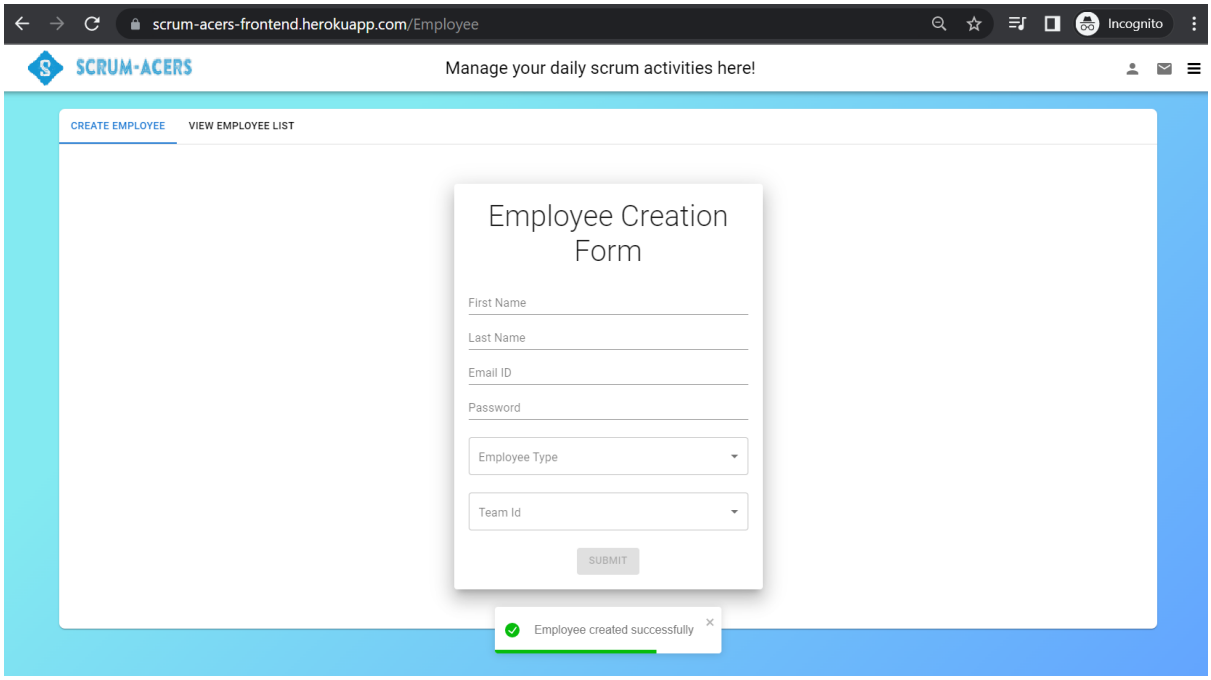


Hours Tracking

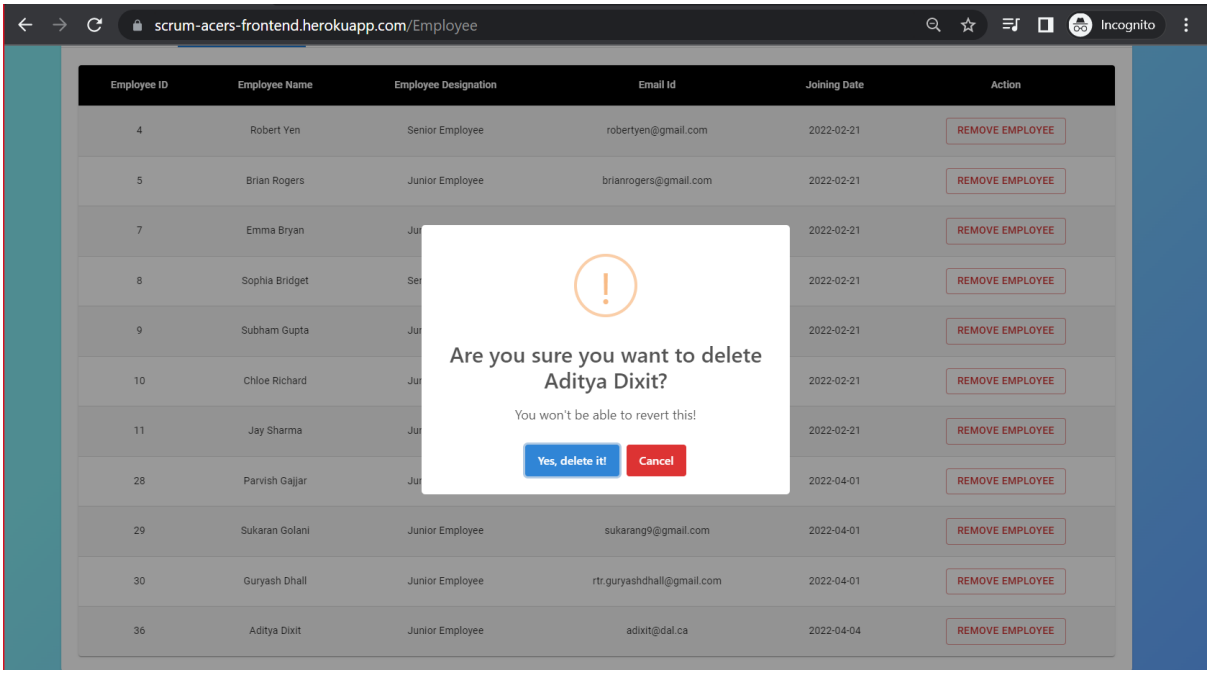


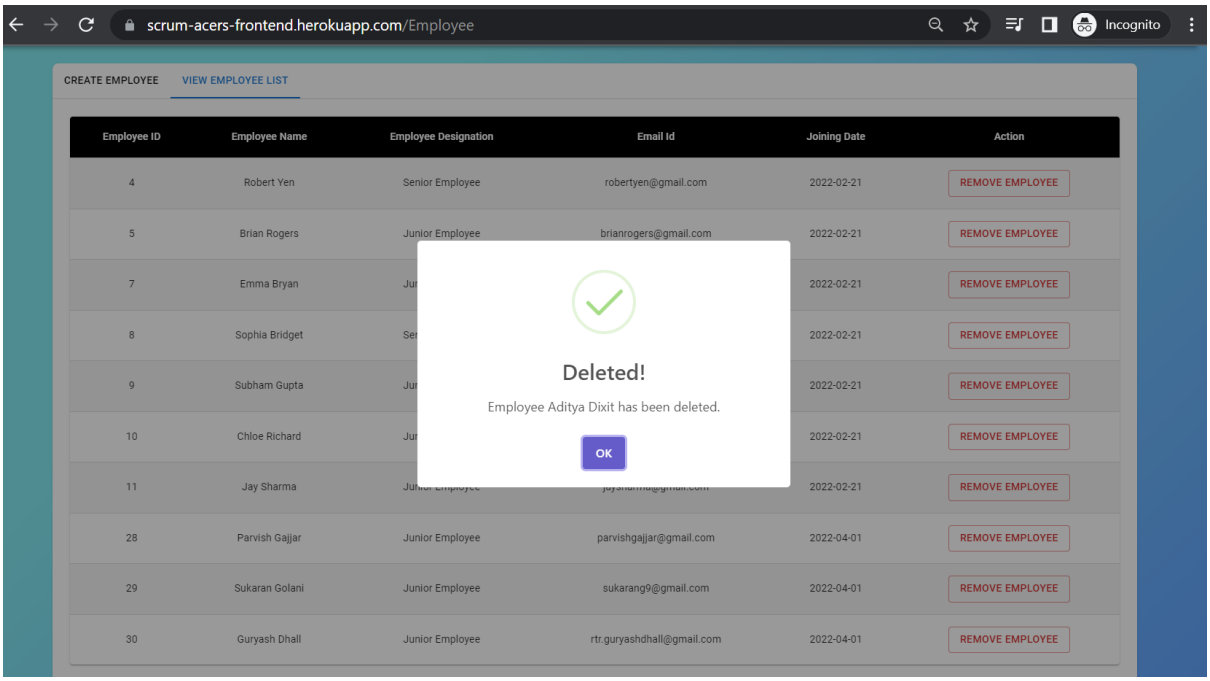
Create Employee Functionality





Delete Employee Fucntionality





DEPENDENCIES IN THIS PROJECT :

Backend :-

- bcrypt: 5.0.1
- chai: 4.3.6
- chai-http: 4.3.0
- cors: 2.8.5
- express: 4.17.2
- jsonwebtoken: 8.5.1
- lodash: 4.17.21
- mocha: 9.2.0
- nodemon: 2.0.15
- promise-mysql: 5.1.0
- supertest: 6.2.2

Frontend :-


```
"@date-io/date-fns": "^2.13.1",
"@emotion/react": "^11.8.1",
"@emotion/styled": "^11.8.1",
"@fontsource/roboto": "^4.5.3",
"@material-ui/core": "^4.12.3",
"@material-ui/icons": "^4.11.2",
"@mui/icons-material": "^5.4.2",
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"@testing-library/jest-dom": "^5.16.2",
"@testing-library/react": "^12.1.3",
"@testing-library/user-event": "^13.5.0",
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"bootstrap": "^5.1.3",
"burger-menu": "^1.0.12",
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"react-bootstrap": "^2.2.1",
"react-dom": "^17.0.2",
"react-loader-overlay": "^1.0.0",
"react-redux": "^7.2.6",
"react-router": "^6.2.1",
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"react-scripts": "5.0.0",
"react-toastify": "^8.2.0",
"redux": "^4.1.2",
"secure-ls": "^1.2.6",
"serve": "^13.0.2",
"web-vitals": "^2.1.4"

BUILD AND DEPLOY INSTRUCTIONS :

```
backend-build:
  type: deploy
  stage: backend-build
  image: ruby:latest
  only:
    - development
  script:
    - apt-get update -qy
    - apt-get install -y ruby-dev
    - gem install dpl
    - dpl --provider=heroku --app=$HEROKU_APP_BACKEND --api-
key=$HEROKU_API_KEY

backend-test:
  stage: backend-test
  only:
    - development
  script:
    - npm install
    - npm test
```

.gitlab-ci.yml 441 Bytes

Edit Web I

```
image: node:latest

stages:
  - backend-build
  - backend-test

backend-build:
  type: deploy
  stage: backend-build
  image: ruby:latest
  only:
    - development
  script:
    - apt-get update -qy
    - apt-get install -y ruby-dev
    - gem install dpl
    - dpl --provider=heroku --app=$HEROKU_APP_BACKEND --api-key=$HEROKU_API_KEY

backend-test:
  stage: backend-test
  only:
    - development
  script:
    - npm install
    - npm test
```