

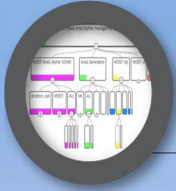
**Sprint / Deliverable : 3**

CS 692 - Computer  
Science Project 2

## Group 1:

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# Overview

Navigo is a web application which helps users scan images and get relevant information. The admin of Navigo manages user accounts, service requests and also updates the information catalog. Navigo project is implemented in Agile methodology and also by using JIRA as a project management tool. Our website/web application also features a chatbot. In software development, agile practices approach discovering requirements and developing solutions through the collaborative effort of self-organizing and cross-functional teams and their customer/end user. Chatbot is used for assistance and to access information. The overview and the details of our project (Project1 and Project2 sprint/deliverables) are explained in the next slides.





## Overview of Project 1 (CS 691):

- Brainstorming project ideas
- Project Planning
- Designing & Implement the plan
- Designing a prototype
- Programming (front end coding, core functionality implementation, etc)
- Testing
- Delivering the MVP







# Overview of CS 692



## Overview of Project 2 (CS 692) :

- Designing and implementing the Chatbot to our application.
- Testing our application
- Adding more features/updates to our application.
- Finishing our MVP.
- Deliver the final draft.

## Admin's workflow for all the Sprints:

- Create/Set User/Admin preferences and roles
- Authenticate Users/Admin, login/signup as alt.
- Access to Search patterns and Search history
- View, change or modify Users/Admin profiles based on the requests.
- See different roles, such as admins, users, manager and subscribers in a separate catalog.
- Online/Offline mode for Live Chat
- Test/Access Feedback
- Monitoring/Testing



# SWOT Analysis



## STRENGTHS

- Team collaboration
- Detailed user interface and high flexibility of the project
- The inclusion of a chatbot and search bar
- Easily navigated site map
- Short cycles and constant iterations allow to efficiently.
- High quality assurance in testing.

## WEAKNESSES

- Data fetching & data retrieval issues
- API Integration to perform CRUD operations
- Multiple Scope changes

# SWOT Analysis

## OPPORTUNITIES

- Complex search engine
- Interactive Maps
- Updates to Chatbot
- More features & updates to Navigo
- Mobile Application

## THREATS

- Scope Changes
- Threat of few bugs and glitches
- Potential security threats



# Test Cases

Content	Test Scenario	Testing Result	Priority	Tester	Worklog
Jira Bitbucket	Database repositories from Github needs to update in Bitbucket	PASS	High	Priya	2hr
Home - Menu	Home,About Us,Contact ,Login/Sign Up ,Search	PASS	Medium	Pranav	1hr
Login updates in Database	Login updates needs to captured in Database	PASS	Medium	Pranav	1 hr
Signup updates in Database	Signup updates needs to captured in Database	PASS	High	Pranav	1hr







# Test Cases

Content	Test Scenario	Testing Result	Priority	Tester	Worklog
Email Verification updates in Database	Verification Email with a activation key	PASS	Medium	Pranav	1hr
Login, Post Login	Check with Username ,Email ,Password ,Login ,Register	PASS	High	Pranav	1hr
Chatbot	Home - Chatbot ,offline ,online ,start chat ,end button	PASS	Highest	Pranav	5hr





Product Backlog	User Story	Acceptance Criteria
Webpage search feature	As a Navigo user, I want to be able to search on the webpage So that I can find necessary information.	User searches for an item by Location then “Location” page shows me the list of all locations and the system shows the “Search” section in the right top corner of the screen, When I fill in the “Search” field with the name of existing item in the product list and click either “Apply” button or press the Enter key. Search Results section will show the number of search results in the top of the Search Results section”







Product Backlog	User Story	Acceptance Criteria
Catalog: Entries link	As a navigo user, I want to have option to search locations in the website. When I tried to click on Catalog Entries. it didn't directed to a webpage, it throws an error	Failed the option and developer working on this entity.





Product Backlog	User Story	Acceptance Criteria
Web application Sign-in feature	As a novel user of the application, I don't necessarily want to sign in to use the basic services of the application. I want to quickly access the services, so there should be an option for 'Guest User'.	There is no such option as 'Guest User' so it is mandatory to sign-in to the application to use the features of the app.

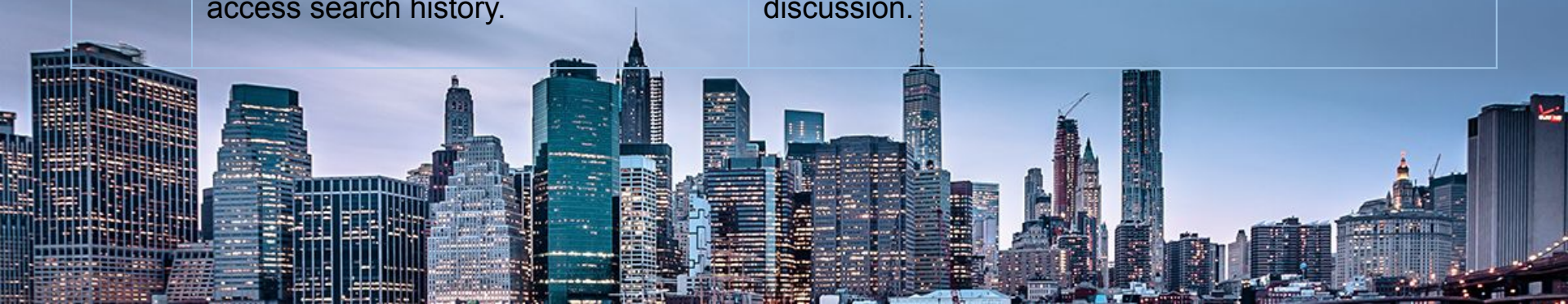






# Product and Sprint Backlog

Story	Product Backlog	Sprint Backlog
1	As a Scrum Master, I need to Clone Database code to Bitbucket	Clone Git repository to Bitbucket, Update Database Code, Test the bugs, Give access to the team.
2	As a developer, update the required locations in Database.	Find existing code, Identify solution, update/write code, complete automatic testing, complete testing, release fix.
3	As a admin check whether use able to access search history.	Design, Write Code, Complete testing and feedback discussion.





# Product and Sprint Backlog

Story	Product Backlog	Sprint Backlog
5	As a admin, I should be able to resend the verification link manually if the automated services are failed.	Developer needs to add functionality that allows admin to resend the verification link.
6	As a tester, I would be tracking the bugs through Jira tickets	Login in Jira as a tester and report through tickets.
6	As a user, I should be able to get a text notification.	Work in Progress and in deployment stage.
7	As a user, I should access the mobile application. (ios/android)	Work in Progress and in deployment stage.





# PERSONA



Name: Elsa

Age: 29

Occupation: Researcher

Hobbies: Playing Badminton

“I would like to use navigo application to navigate to Goldstein Academic Center of the Pleasantville campus with contact details, office hours etc., with the help of an Input picture option in mobile application. I would like to have an account for myself by registering a new account provided by the app so that I can use all the services provided that are useful in navigating as well as research the areas that I am interested in locating. If there is any point that I am not able to interact with the services provided, I hope to seek help from the chat box present on the site immediately.”



# RETROSPECTIVE

## What went well?

- We were able to assign individual tasks to every team member.
- We have tested the running Status of our software by entering different parameters.
- Updated Sprint 3 Documents in GitHub and Jira.
- Database created as per the locations.
- We have fixed the epics Of receiving error report through email after the program crash down.
- Testers(all teammates) have verified website thoroughly every alternative day.
- Updated Sprint 3 documents in GITHUB and JIRA and Bitbucket.
- Followed up with each team member on their given tasks.
- Implementation of search bar

## What didn't go well?

- API Integration
- Time Limitation due to different remote locations.

## Action Items

- Implementation of personalized chat room.
- Adding Recommendations section
- Inviting Friends.
- Adding Updated MOM in Jira and Github.





# MVP (MINIMUM VIABLE PRODUCT)



Web User Interface

 Delightful

Registration, login, and  
Chatbot

 Reliable

Implementation of Search bar

 Functional



# Future Scope



1. Search bar Implementation
2. Implementation of personalized chat room.
3. Adding Recommendations section
4. Friends invitation/Referral link of Navigo website
5. Navigo Merchant site
6. Cloning web application to mobile application using Ionic framework







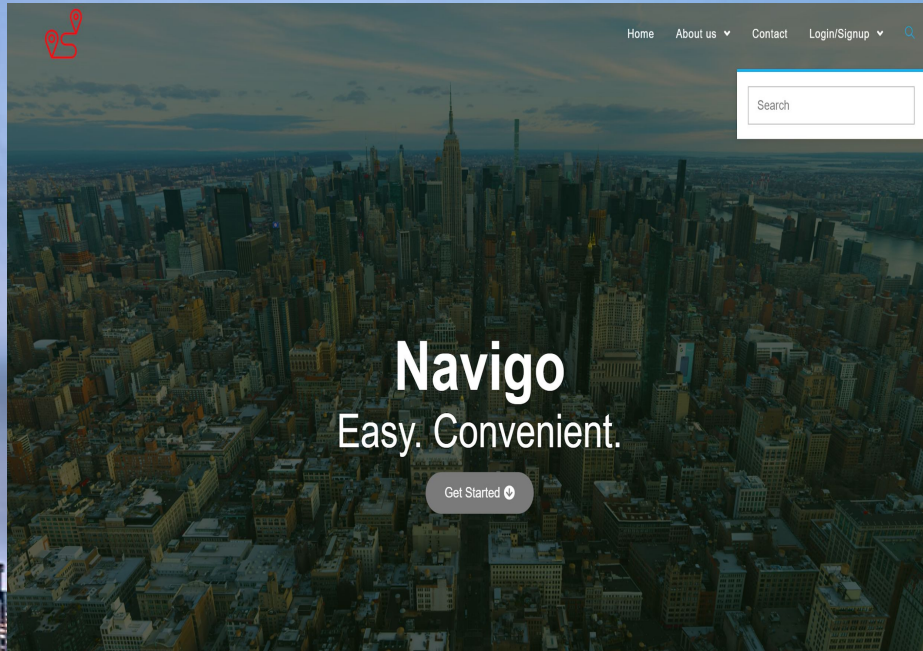
# Challenges


- Creating Database and identifying the primary keys, so that there won't be any rollbacks or duplicates.
- Proper format of the data that will be stored in the database.
- Solving Data Retrieval Challenges.
- Solving Data Fetching Challenges.
- Ensuring Data Integrity of the vast data
- API Integration to perform all CRUD operations
- Security
- Create queries that retrieve data from the API for all CRUD operations
- Ensuring a User friendly interface.
- Design communication process between the UI, API and the database.





# PREVIEW





Questions?

Leave a message

Name

Required Field

Email

Required Field

Phone

Please leave a message and we'll get back to you  
as soon as possible.


Send message






# Navigo Preview

## Contact us



✉ E-mail: [sm12210n@pace.edu](mailto:sm12210n@pace.edu)  
☎ Contact : +1 (201) 201 2012  
📍 Address: One Pace Plaza, New York, NY 10038



Your Name (required)

Your Email (required)

Subject

Your Message

SEND

## Register and login



• Username\*

• First Name

• Last Name

• E-mail\*

• Password\*

Minimum length of 8 characters.  
The password must have a minimum strength of Strong Strength Indicator

• Repeat Password\*

REGISTER

[Navigo4u.com](#) [Login →](#)



# OUR TEAM

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*Indira Priyadarshini*  
*Product Owner/Scrum Master*



*Kartik Kannan*  
*Database Admin*



*Sai Bharath Reddy V*  
*Backend Developer*



*Sunil Kumar M R*  
*Frontend/Backend Developer*



*Pranav Kallappa*  
*Tester*



*Rahul Shah*  
*Backend Developer*





# TECHNOLOGIES

Front/Back End Technologies:

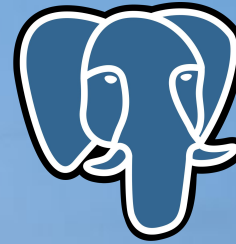
**HTML**



**CSS**



**JS**



 bluehost





# Git & Jira Links

Wiki : <https://github.com/CS691-001/Project-1/wiki>

Repositories : <https://github.com/CS691-001/Project-1>

Jira : <https://navigo4u.atlassian.net>







*Thank you*

