




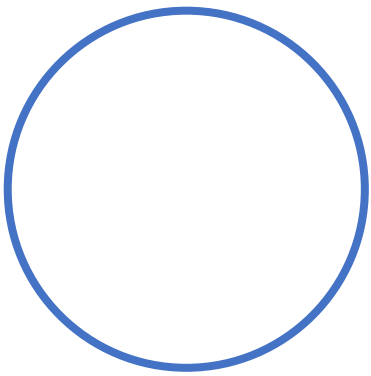
# Teamerizer!

**CS 692**

Team 1:



Ninad Anil Chemburkar  
Vijay Sunder Gatike  
Robert Harkov  
John Madias  
Jimen Moy  
John Pelliccia



# Team 1

CS 691  
Teamerizer!



**Team 1:**  
Ninad Anil Chemburkar  
Vijay Sunder Gatike  
Robert Harkov  
John Madias  
Jimen Moy  
John Pelliccia

## Deliverable 4

John Madias

John Pelliccia

Robert Harkov

Jimen Moy

1  
Ninad Chemburkar

Vijay Sunder Gatike

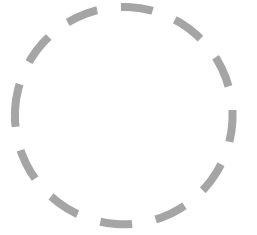






**Teamwork and  
collaboration made easy**

# Our Product



## 1. User Log-in

- User email
- User password
- Display Login Errors

## 2. User Sign-up Page

- Username
- User email
- Setting user password

## 3. Update Profile & Profile Page

- User First Name
- User Last Name
- User Skills
- User Skill Levels
- User profile picture

## 4. Main Page

- Present users current groups
- Present available groups
- Present User Notification

## 5. Group Details Page

- Displays selected groups details, including project description, required skills and current members

## 6. Members Details Page

- Displays member name, skills and skill level

## 7. Group Creation Page

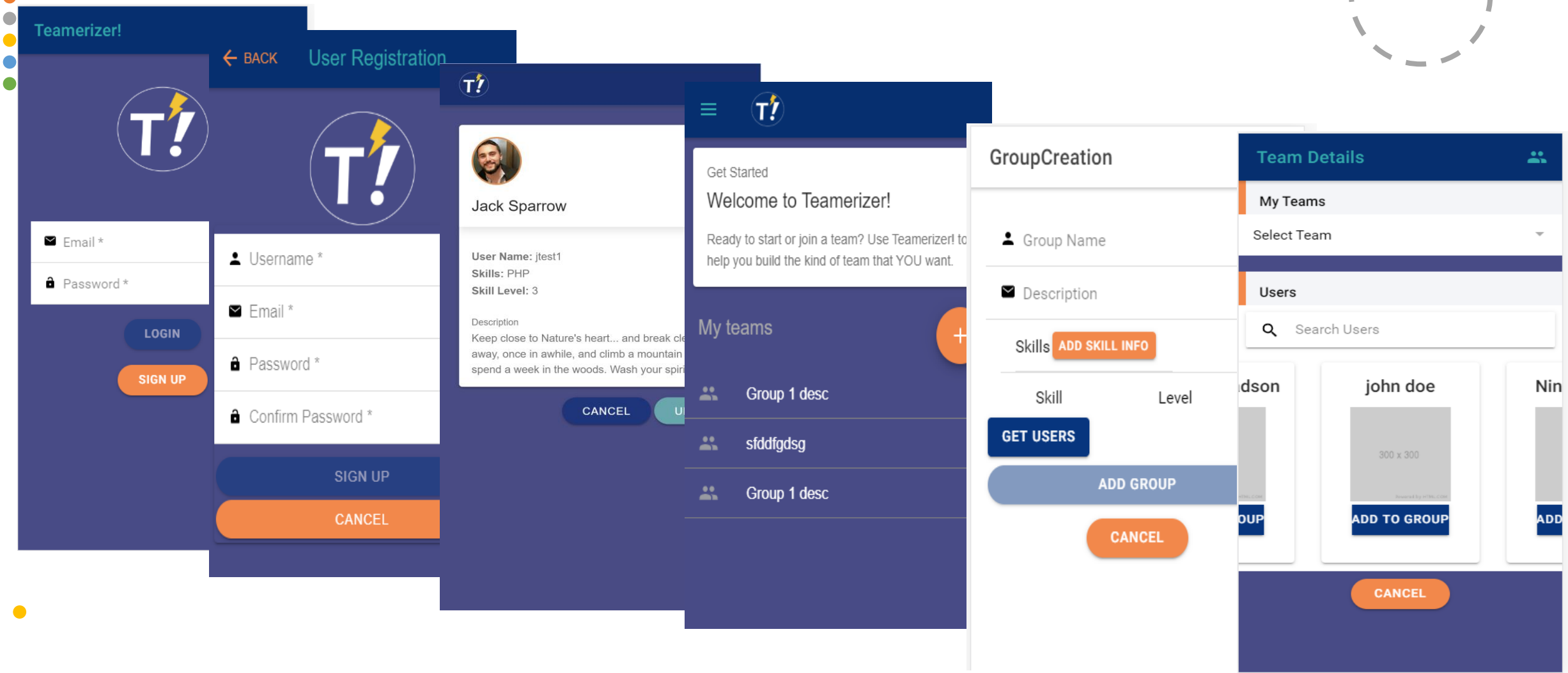
- User set-up of group including, description, class, group size and skills needed

## 8. Matched Members Page

- This page will display members that were matched based on your group creation criteria



# Our app's history.



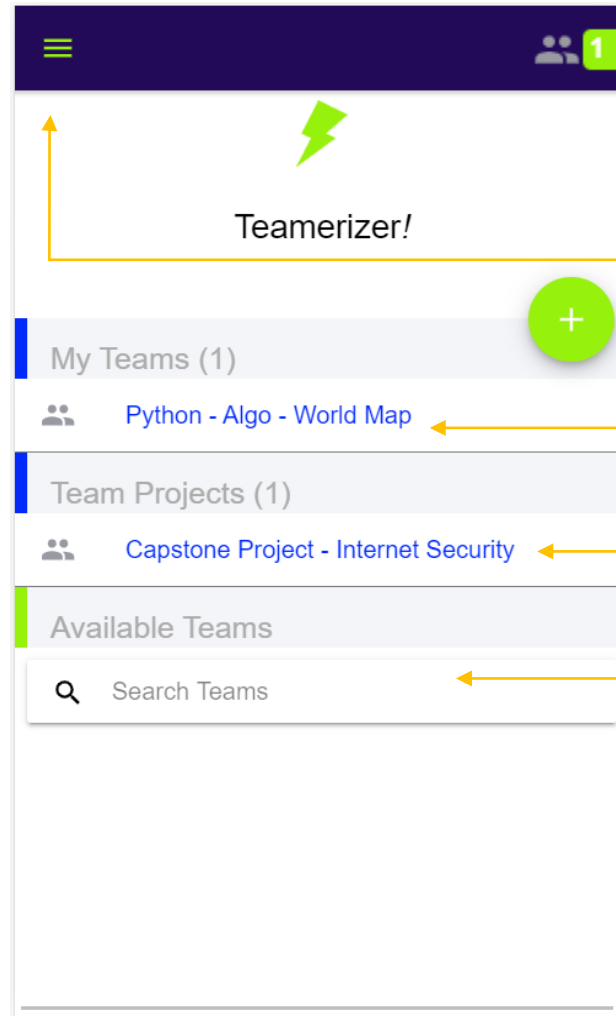


A group of people are gathered around a wooden table, working together. One person is pointing at a laptop screen, while others look on. The scene is overlaid with various data visualization elements: a world map in the top left, a line graph with a peak in the bottom left, a bar chart in the bottom left, and several circular icons representing different data points. The text "Where are we today?" is prominently displayed in the center in a bright green font. The overall theme is collaborative work and data analysis.

# Where are we today?

CONNECTION  
ANALYSIS  
DATA  
SEARCHING  
VERIFICATION  
CODING  
SENDING

# Navigation page & main page



Side menu to navigate to profile and logout of application.

Create a new group button. Allows you to create a new group and recruit members.

Displays the teams that you have created.

Displays Teams which you are a part of.

Displays available teams that you can search for.





# Easily Create Projects/Teams



Team Name

Description

Skills

ADD GROUP

CANCEL



capstone 2021

project app

Skills

ADD GROUP

CANCEL

C#

Angular

Python

iOS

JAVA

CANCEL DONE

Advanced

Intermediate

Beginner



capstone 2021

project app

Skills

Skill

Level

JAVA

Beginner

Users your team matched with:

User 5 Five (JAVA)

User4 User4 (JAVA)

User2 User2 (JAVA)

User3 3 (JAVA)

Jill Smith - User 6 (JAVA)

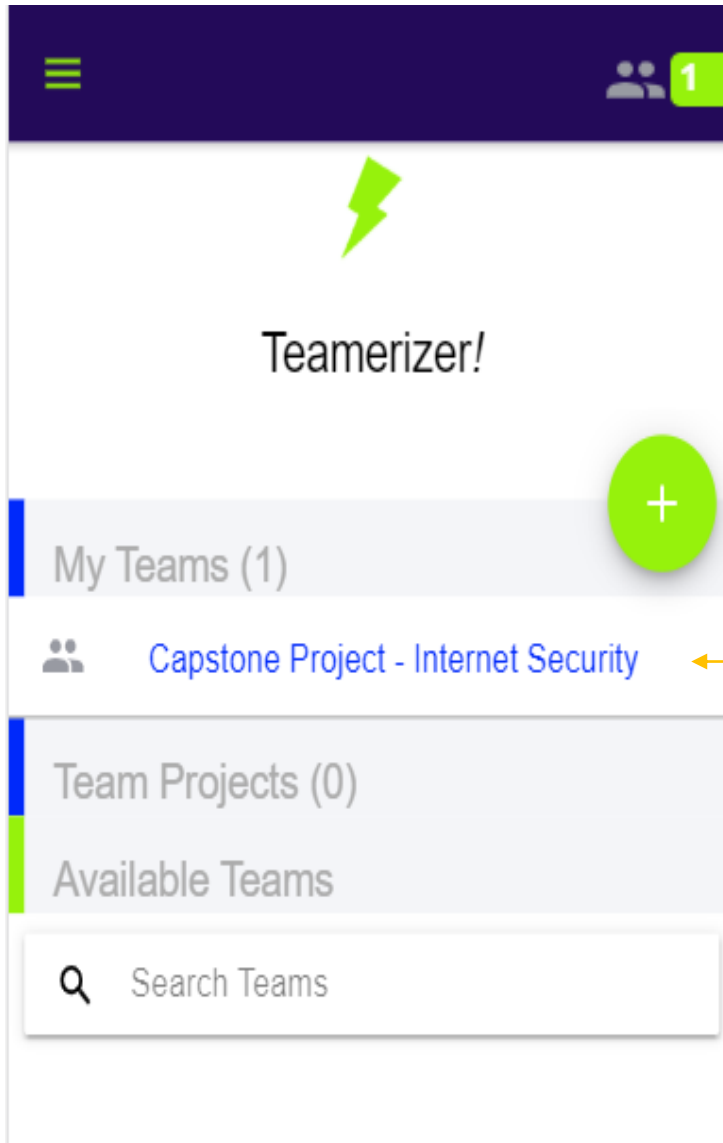
User14 14 (JAVA)

People with matched skills automatically populated. Click to see their profile





# Managing Your project and team members is easy



The image shows the 'Teamerizer!' app interface. At the top is a dark blue header with a green lightning bolt icon and a notification badge showing '1'. Below the header, the text 'Teamerizer!' is displayed. A green circular button with a white plus sign is positioned to the right. The main content area has a light gray background and contains three sections: 'My Teams (1)', 'Team Projects (0)', and 'Available Teams'. The 'My Teams (1)' section is highlighted with a blue bar on the left and contains a link to 'Capstone Project - Internet Security' with a person icon. The 'Available Teams' section has a search bar with the text 'Search Teams'.

click.



The image shows the details for the 'Capstone Project - Internet Security'. The header is dark blue with a green lightning bolt icon. The main content area has a light gray background and contains the following sections: 'Admin: Sandra Wilson', 'Description' (with a text area and a green lightning bolt icon), 'Required Skills' (listing 'C++ (Beginner)'), 'Accepted Members (1)' (listing 'John Williams' with 'C++ (Beginner)' and 'Python (Beginner)' skills, and a trash icon), and 'Pending Invites (1)' (listing 'James Smith' with 'C# (Advanced)', 'Angular (Beginner)', 'Python (Advanced)', and 'html (Beginner)' skills).

As a user, click to email admin.

Description change on click.

Can remove an accepted member.



# Easily Add members to a Team

Search user feature.

This project will create a new type of web browser. It will provide users a safe browsing experience

Required Skills

C++ (Beginner)

Accepted Members (0)

Pending Invites (2)

**Robert Brown**  
Python (Beginner)

**James Smith**  
C# (Advanced)  
Angular (Beginner)  
Python (Advanced)  
html (Beginner)

John Williams

User Name: jwilliams

Skills(Levels):  
C++(Beginner)  
Python(Beginner)

Interests: I enjoying challenging problems and solving them. I work well on teams and am very detail oriented.

Other teams member is in:

Python - Algo - World Map

Admin: James Smith

INVITE TO GROUP

BACK

Invite to group.

Required Skills

C++ (Beginner)

Accepted Members (0)

Pending Invites (3)

**Robert Brown**  
Python (Beginner)

**James Smith**  
C# (Advanced)  
Angular (Beginner)  
Python (Advanced)  
html (Beginner)

**John Williams**  
C++ (Beginner)  
Python (Beginner)

Find new members

Search Users

INVITE TO GROUP

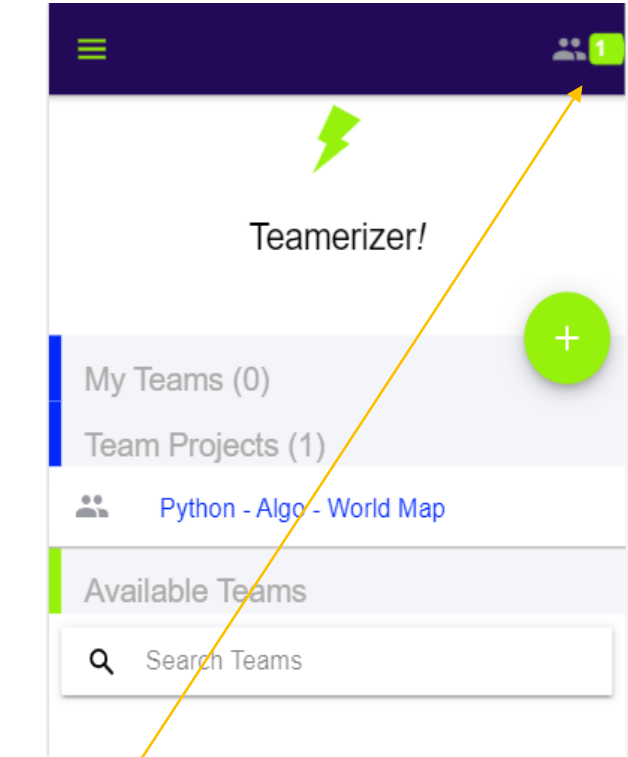
INVITE TO GROUP

INVITE TO GROUP

An invite is sent.

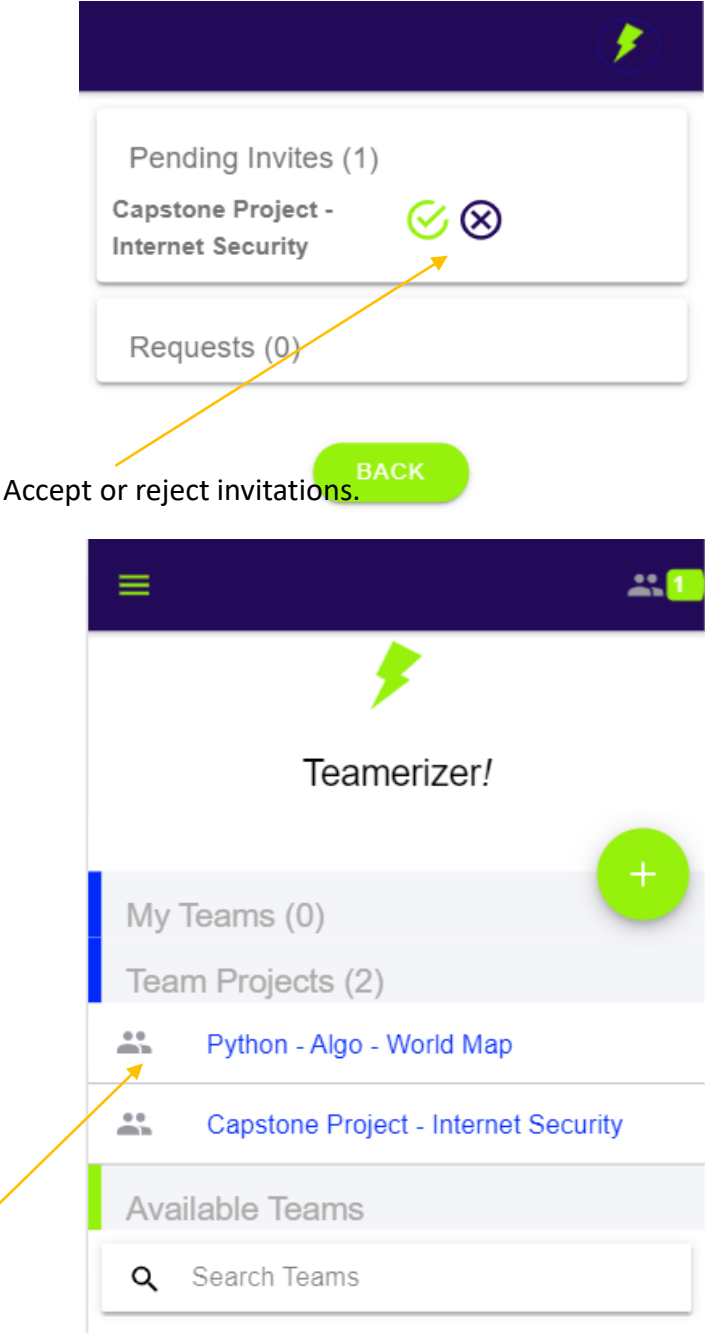


# Easily Join a team

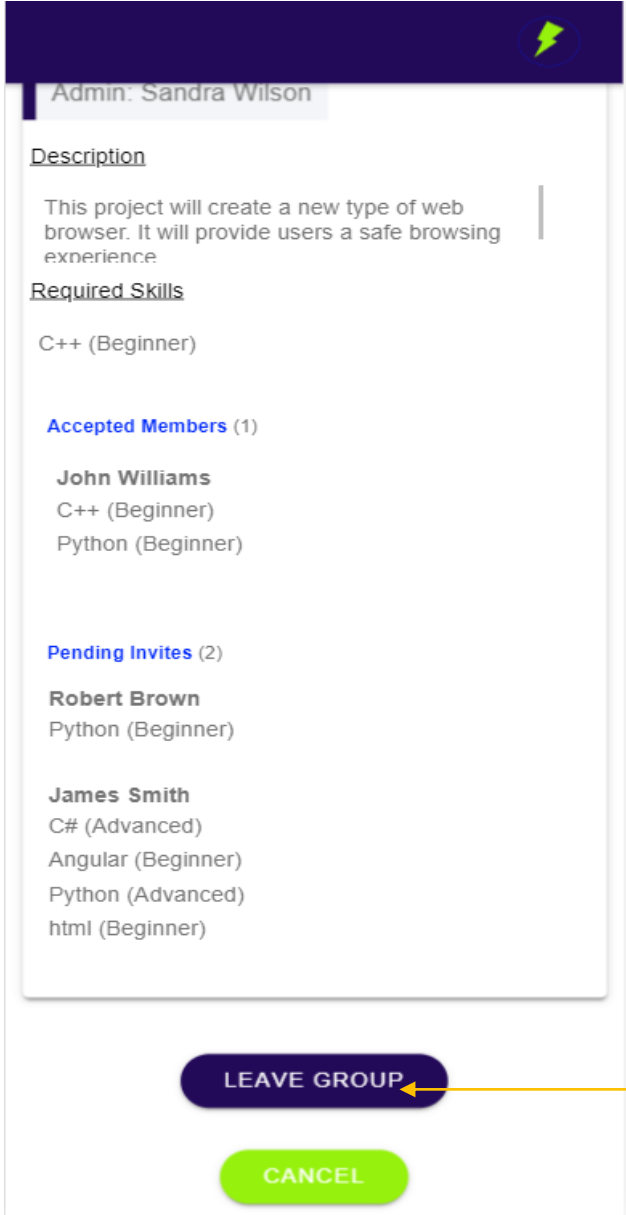


Notifications of invites feature.

Team user is part of.



Accept or reject invitations.

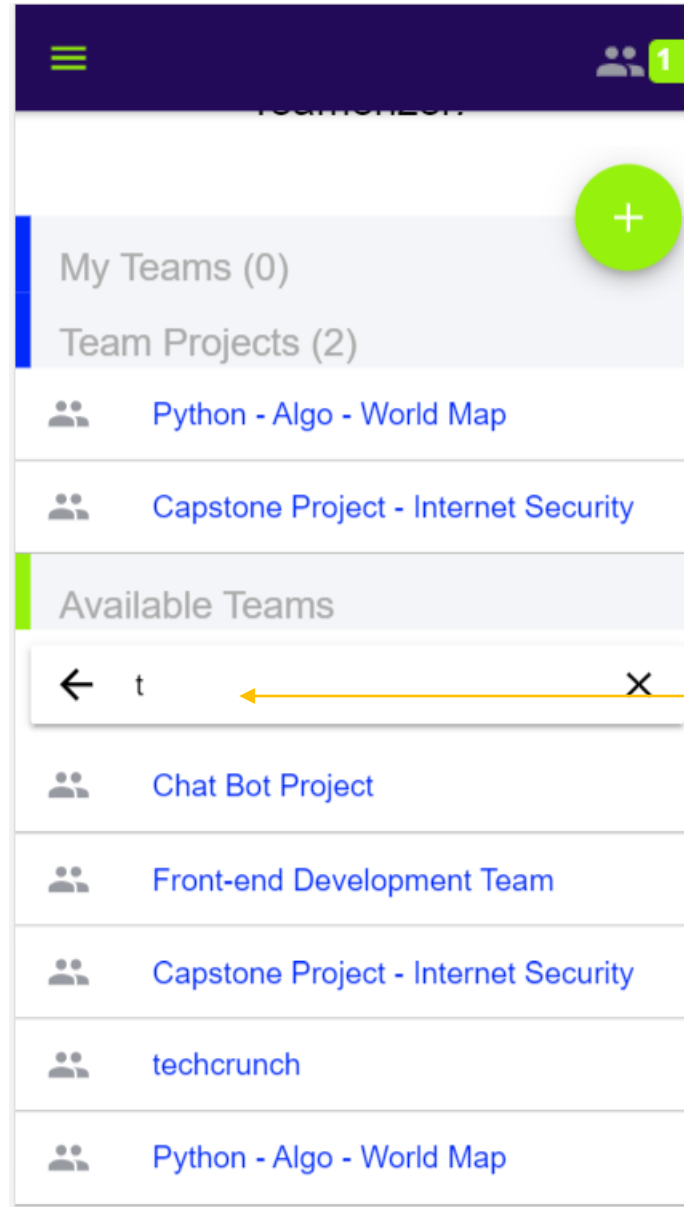


User has an option to leave.






## Easily Join a team Part 2



Special search for teams to join feature. As easily as entering a letter and watch it populate. Click to view project description and request to join.



# Personalize your profile, and reset your password




John Williams

**User Name:** jwilliams


**Skills:**  
C++(Beginner)  
Python(Beginner)

**Interests:** I enjoying challenging problems and solving them. I work well on teams and am very detail oriented.

**Other teams you are in:**

 Python - Algo - World Map

Admin: James Smith

 Capstone Project - Interne...

Admin: Sandra Wilson

UPDATE


CANCEL



Choose an image to Upload



Choose a file



CANCEL

### Password Reset

 Email \*

 Old Password 

 New Password \* 

 Confirm Password \* 

RESET

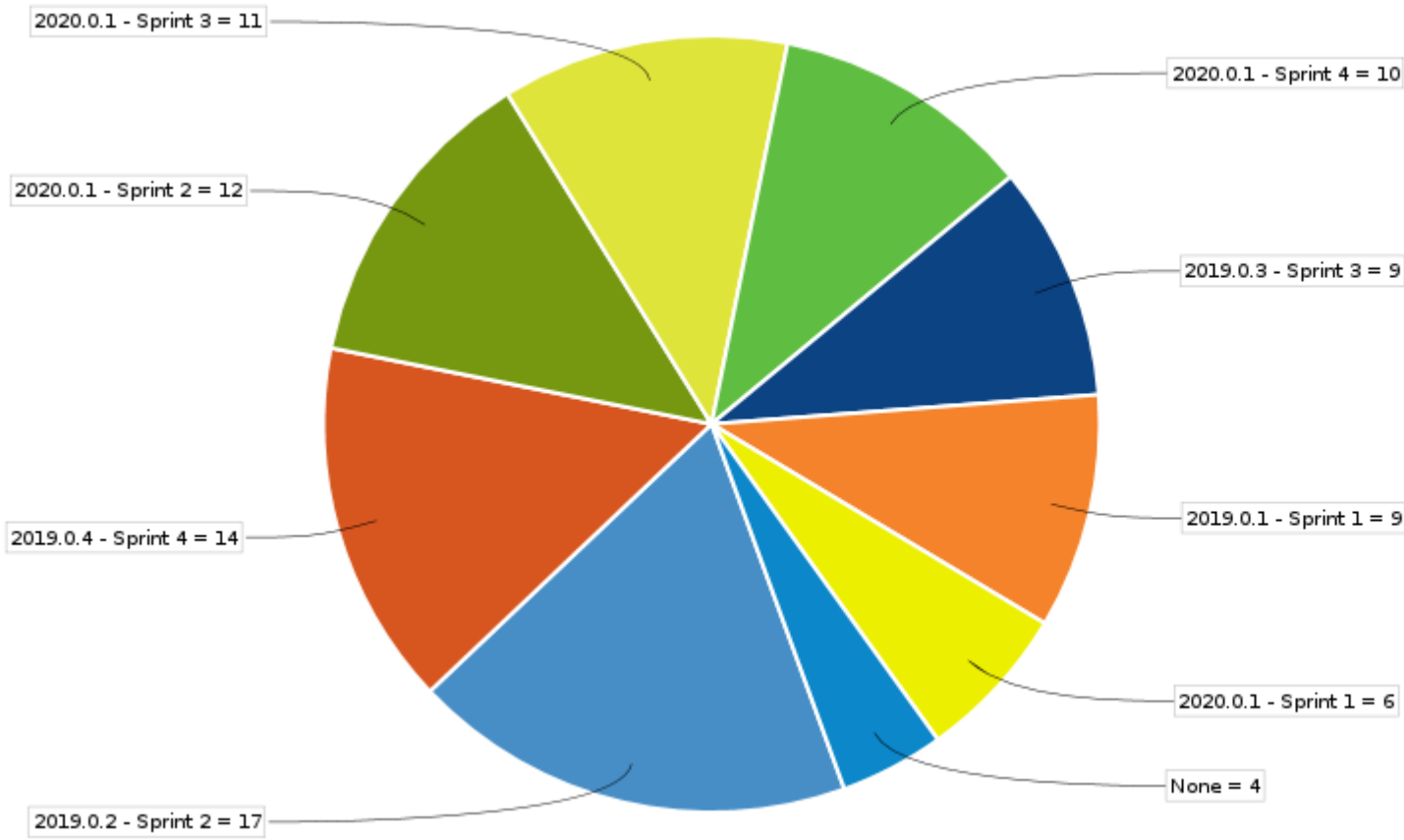
CANCEL



Reset your password.

Reset Password

Click image to change profile image.



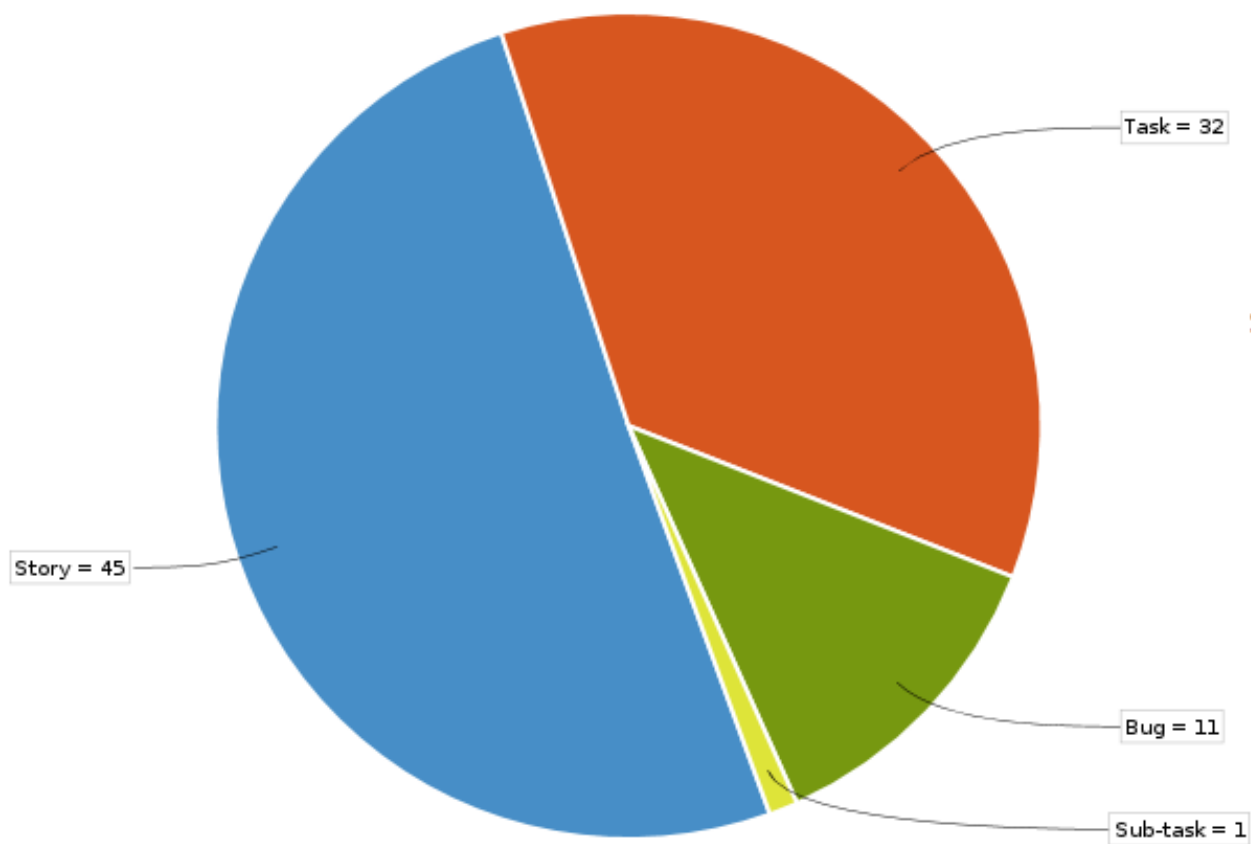
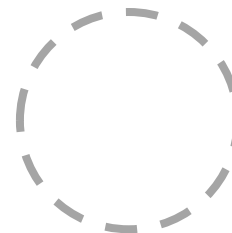
Data Table

	Issues	%
2019.0.2 - Sprint 2	17	19%
2019.0.4 - Sprint 4	14	15%
2020.0.1 - Sprint 2	12	13%
2020.0.1 - Sprint 3	11	12%
2020.0.1 - Sprint 4	10	11%
2019.0.3 - Sprint 3	9	10%
2019.0.1 - Sprint 1	9	10%
2020.0.1 - Sprint 1	6	6%
None	4	4%

## Features by sprint







Data Table		
	Issues	%
Story	45	50%
Task	32	35%
Bug	11	12%
Sub-task	1	1%

Issues




# Technologies Used





# Technologies used



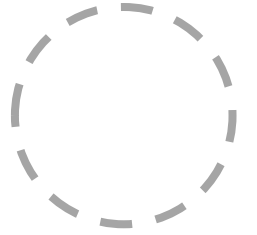
- The Teamerizer app is built in Ionic, which is an “open source SDK for hybrid mobile app development”. It is well known for building high performance and progressive web apps that function well on any platform.
  - It utilizes Angular scripting, HTML and CSS to model the pages and functionality of the application which is platform agnostic. Meaning it can be compiled to function with iOS, Android and Web based applications.
  - Teamerizer utilizes Google Firebase, specifically Firestore which is a highly available NoSQL include cloud database. The database will be used for user Authentication and data storage through the application.
  - It also uses Ionic which is a powerful HTML5 SDK that helps you build native-feeling mobile apps using web technologies like HTML, CSS, and JavaScript. Ionic is focused mainly on the look and feel, and UI interaction of your app. That means we aren't a replacement for PhoneGap or your favorite JavaScript framework.
- 







# Why Ionic?

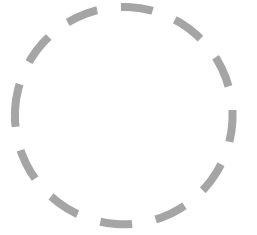



- **Open source and absolutely free** – Because of this it makes developing an app cost effective, faster and bug free. Frameworks can be a costly affair when developing an app.
- **One code for all** – Ionic offers cross platform functionality. Write code once and compile it to all mobile platforms. There is no managing different code bases for iOS and Android.
- **User Interface** – Supports both CSS and JavaScript in order to build a stunning UI with more customization options.
- **Testing is easy** - Mobile app testing is far more easier with Ionic. You can test straight from your computer to multiple devices and get full debugging capability.





# Why Angular?



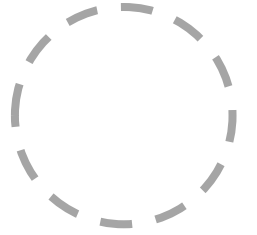
- **Reusability** - The component-based structure of Angular makes the components highly reusable across the app. You can build the User Interface with moving parts, while also ensuring a smooth development process for developers.
  - **Simplified Unit-Testing** - Being independent of each other, the components make unit testing much easier.
  - **Improved Readability** – Angular is consistent in its coding language, which makes it easily readable.
  - **Ease of Maintenance** - Components are replaceable with better implementations. This makes code maintenance even faster!
  - **Typescript** – is a super script for JavaScript with more security and amazing error catching features.
- 





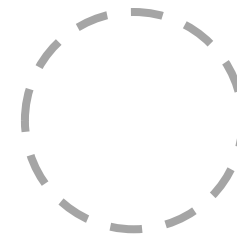
# Why Firebase?

- Application without backend server
- No need extra money spent for backend server
- Sync real time data in the application
- Quick display data in the application
- Faster then any backend web services
- No SQL database so it is more faster
- You can provide any social networking login with very few lines code
- Push notification
- Analytics
- Cloud storage
- Dynamic Linking
- Auto Backup



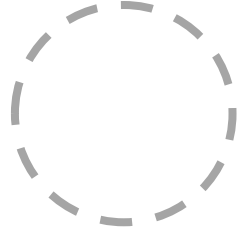




# Future Scope



- Limit the amount of people for part of invitation
- Background verification
- All educational universities will have access to this application
- Security
- Censorship filters





# Team 1 Links

Github Wiki Page



<https://github.com/jtp098/CapstoneProject/wiki>

Github Repo



<https://github.com/jtp098/CapstoneProject>





# Questions







**Thank you**  
**Pace University, department of**  
**Seidenberg, professors, and**  
**students for making this possible!**

