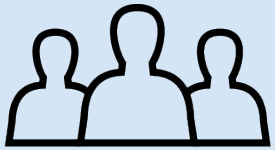
FREE IMAGE CHECKER – DESKTOP APP

FROM WEBSITES: HTTPS://PIXABAY.COM/ & HTTPS://UNSPLASH.COM/

TEAM-9
STUDENT ROLES
SPRINT-3



Student Name	Role
Bavitha Battipati	Project Manager
Phuoc Nguyen	Project Manager
Smriti Shukla	Scrum Master
Sanjay Patel	Scrum Master
Soyadev Devadoss	Programmer
Tuan Nguyen	Programmer

CONCEPTS

- Overall Purpose
- Project Goal
- Application Demonstration
- System’s Technology
- Final Burndown and Velocity Charts
- Issues & Incompleted Epics
- Roadblocks & Collaboration Issues
- Design pattern of the System
- Team Communication
- Project Summary

OVERALL PURPOSE

The purpose of this project is to have the API from both unsplash and pixabay up and running with functionality.

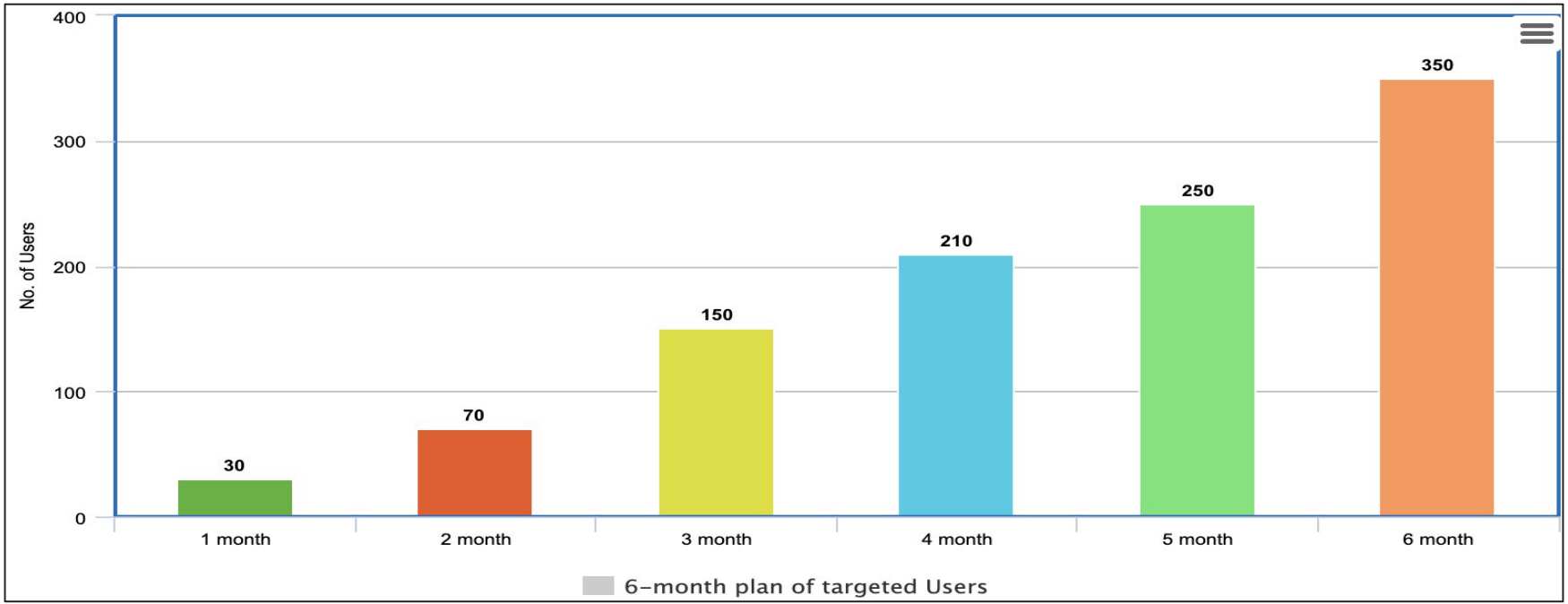
A prototype that allows users to download, search for, and retrieve pictures in a matter of seconds.

We used the creative shortcuts of Unsplash's and Pixaby's API to integrate it with our website.

The targeted audience is anyone who's interested in browsing for images to use for their desired purpose.

TARGETED AUDIENCE

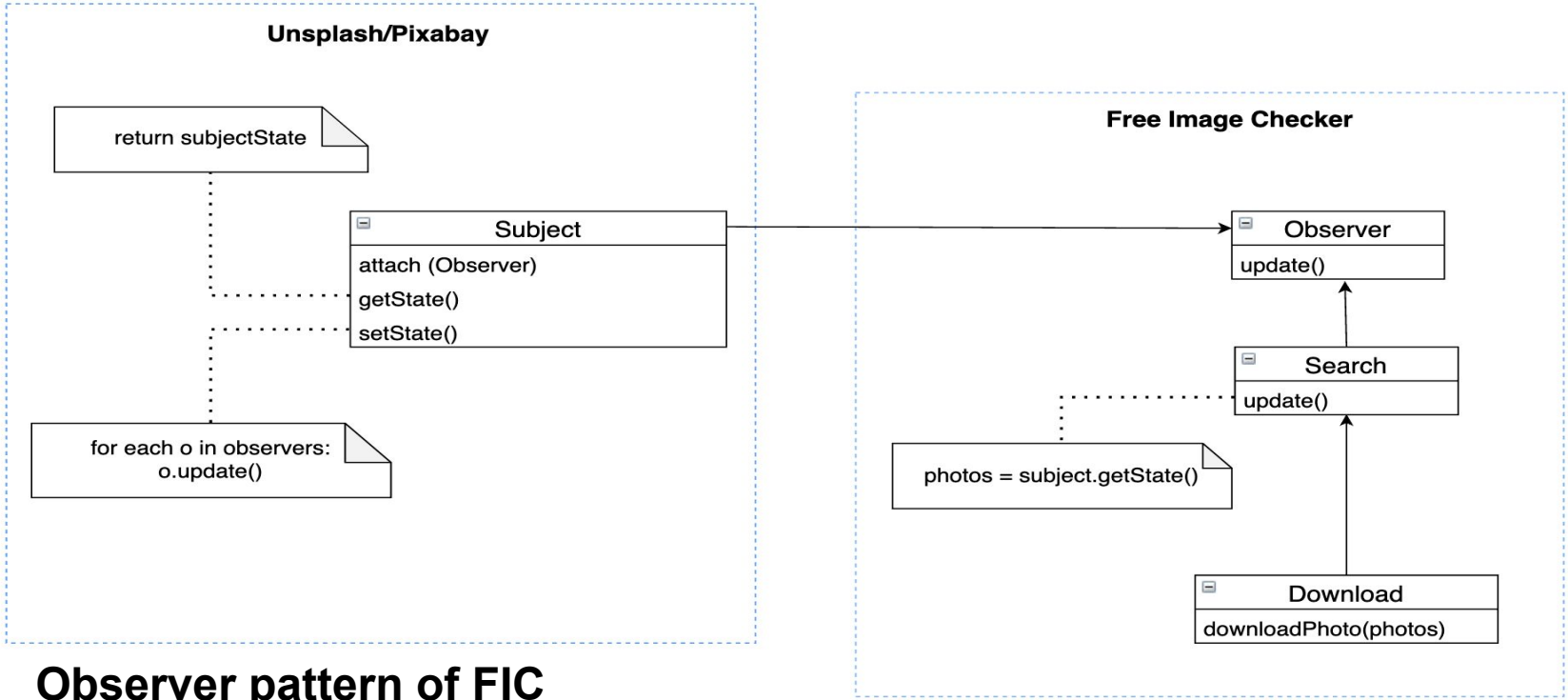
Non-professional photographers (student, office staff,…)



PROJECT GOAL

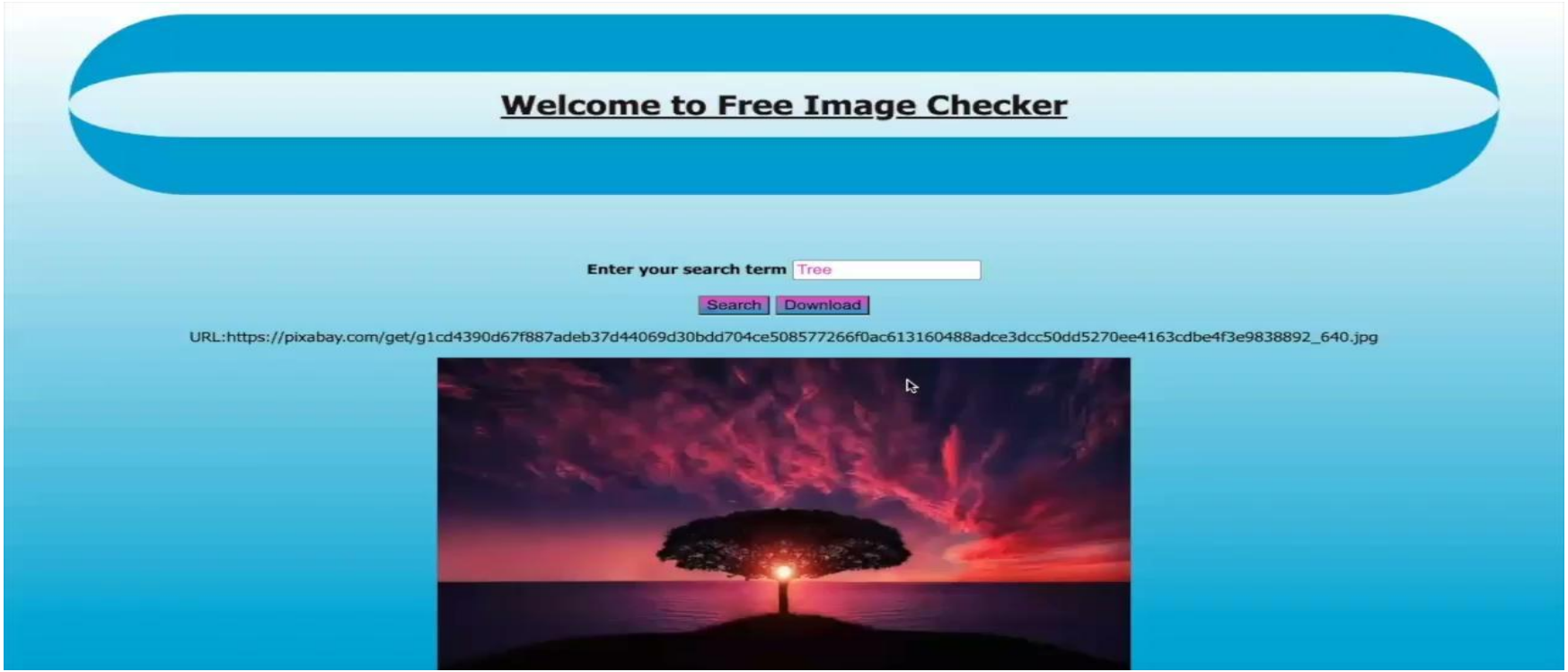
- To retrieve data, use the Unsplash/Pixabay API.
- A user searches for a photo using a keyword.
- The user can quickly download the image.
- Request and receive an image pretty quickly.
- The UI is simple and user-friendly.

DESIGN PATTERN OF THE SYSTEM

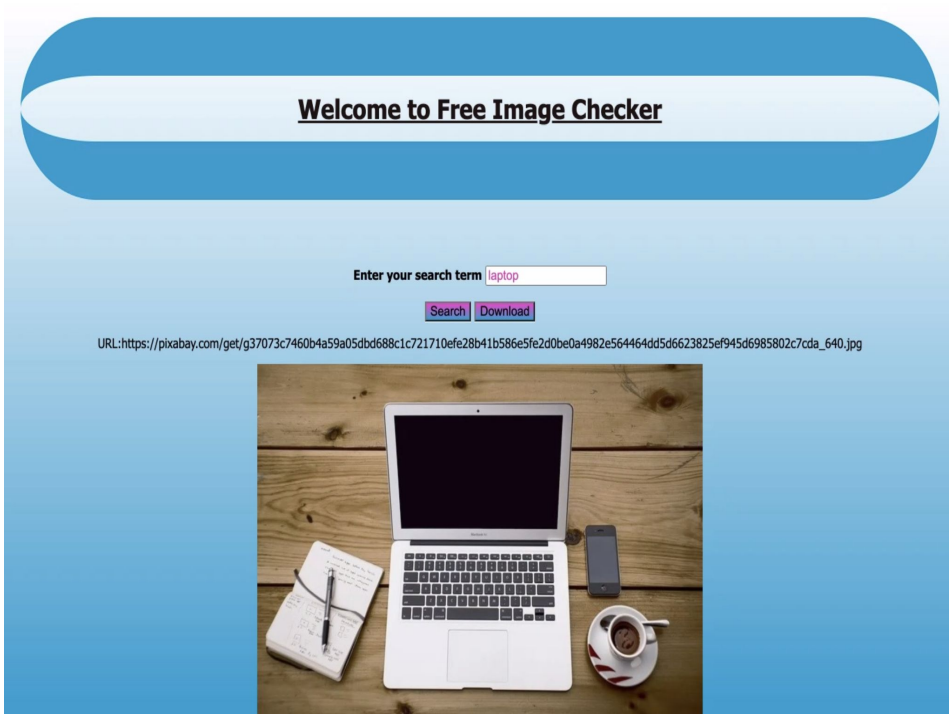


Observer pattern of FIC

APPLICATION DEMONSTRATION



ELECTRON - FRAMEWORK



SYSTEM TECHNOLOGY- PLATFORM

JavaScript

```
var mysearchkeyword = document.getElementBy
console.log("heare" + mysearchkeyword);

var xhr1 = new XMLHttpRequest();
xhr1.withCredentials = true;

xhr1.addEventListener("readystatechange", f
    if(this.readyState === 4) {
    //console.log(this.responseText);
    var searchresultsjson = JSON.parse(this



    var imageurlresult = searchresultsjson.
```

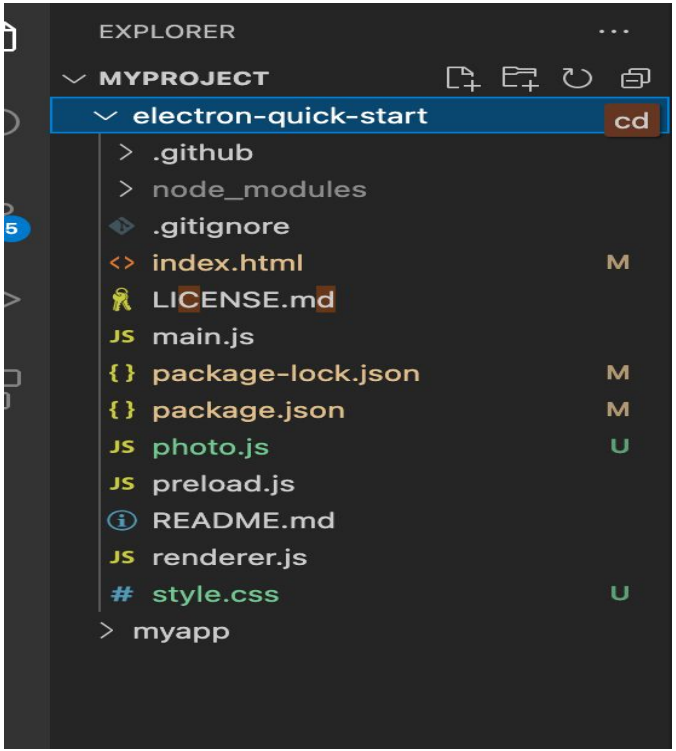
CSS

```
body {
    text-align: center;
    font-family:'Segoe UI', Tahoma, Geneva,
    background-color: -moz-linear-gradient(
    background: -webkit-linear-gradient(top
    background: -o-linear-gradient(top, #FF
    background: -ms-linear-gradient(top, #F
    background: linear-gradient(to bottom,
    margin: auto;
}
h1 {
    padding: 20px;
    text-decoration: underline;
    color: rgb(29, 17, 17);
```

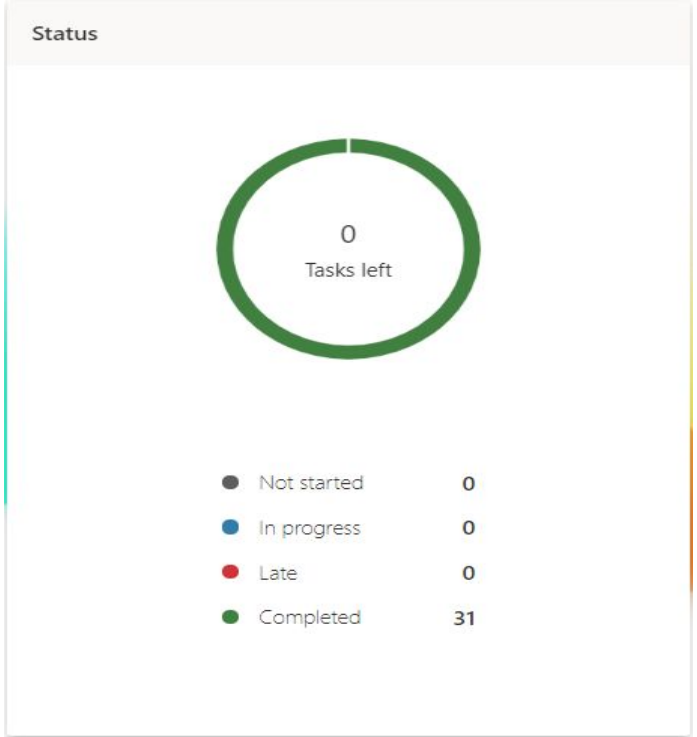
HTML

```
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <!-- https://developer.mozilla.org/en-U
    <meta http-equiv="Content-Security-Poli
      content="default-src 'self' https://p
    <link rel="stylesheet" href="style.css"
    <title>Free Image Search/Download</titl
  </head>

  <body>
    <h1>Welcome to Free Image Checker</h1>
```

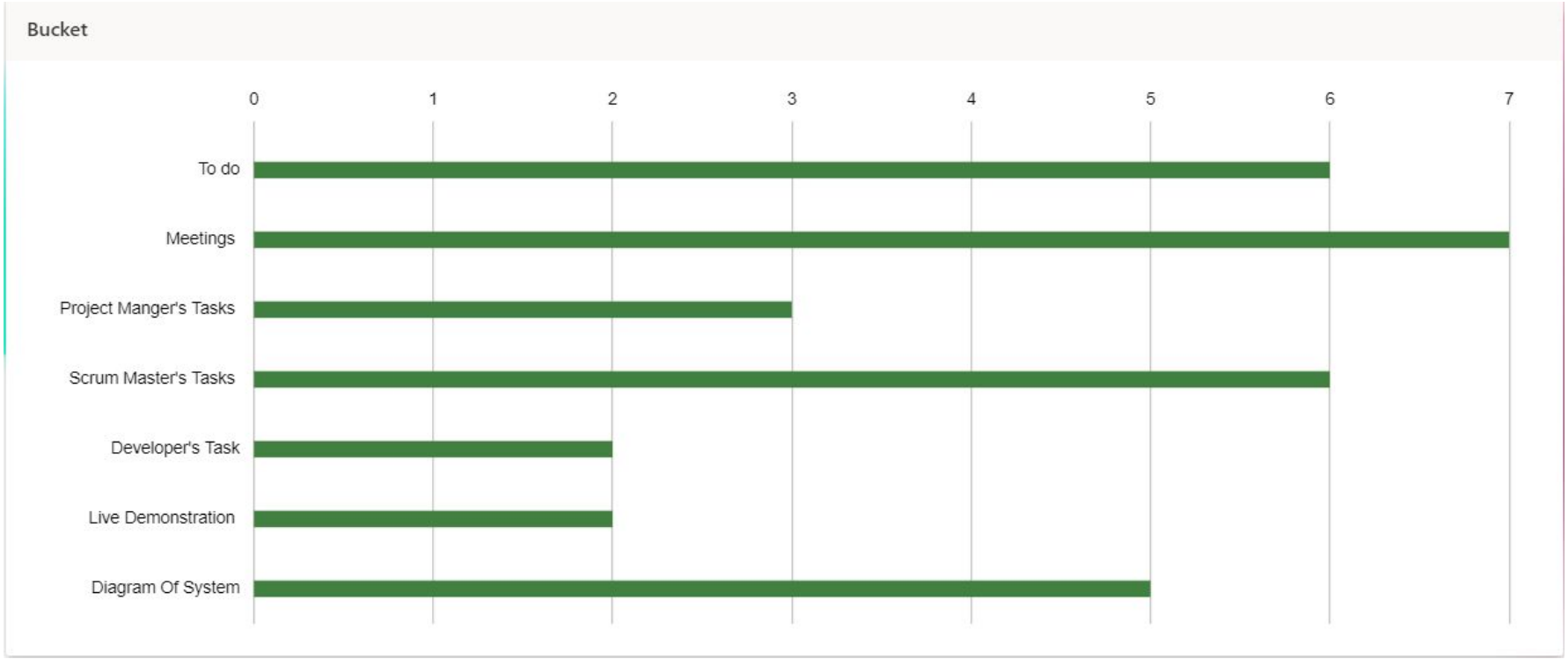
SYSTEM TECHNOLOGY- LIBRARIES



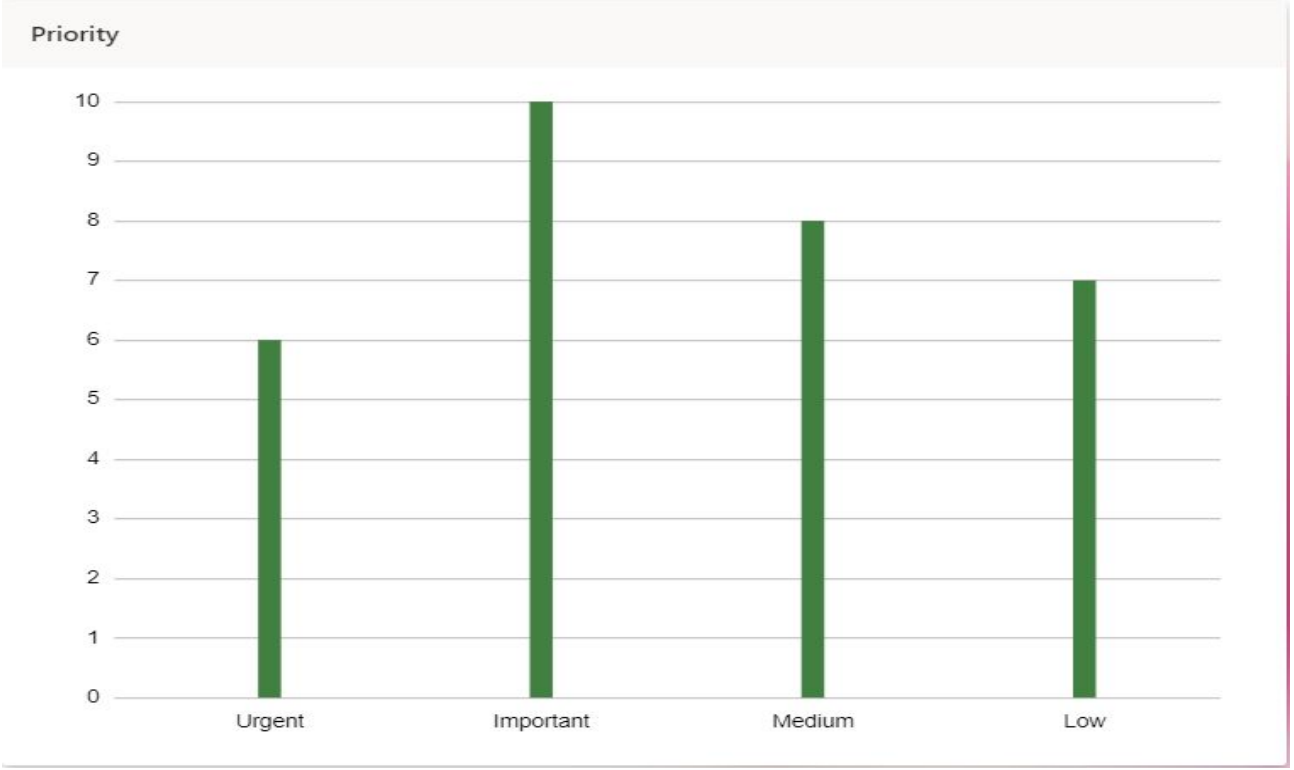
BURNDOWN CHART - STATUS



BURNDOWN CHART - BUCKETS

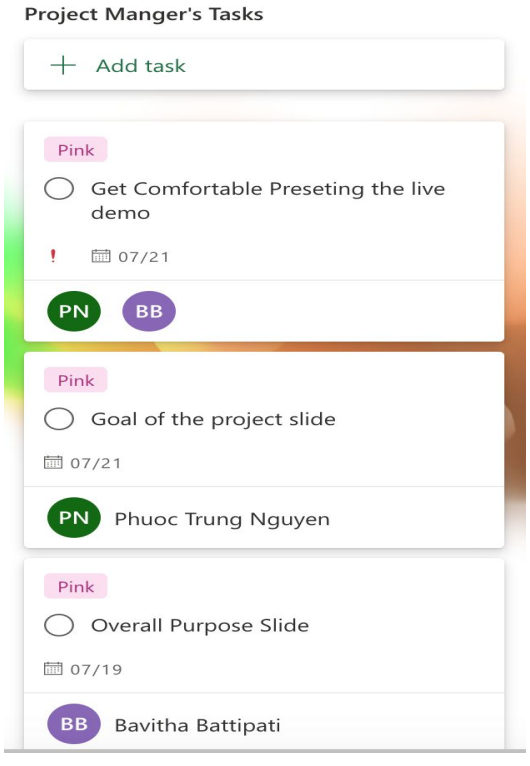


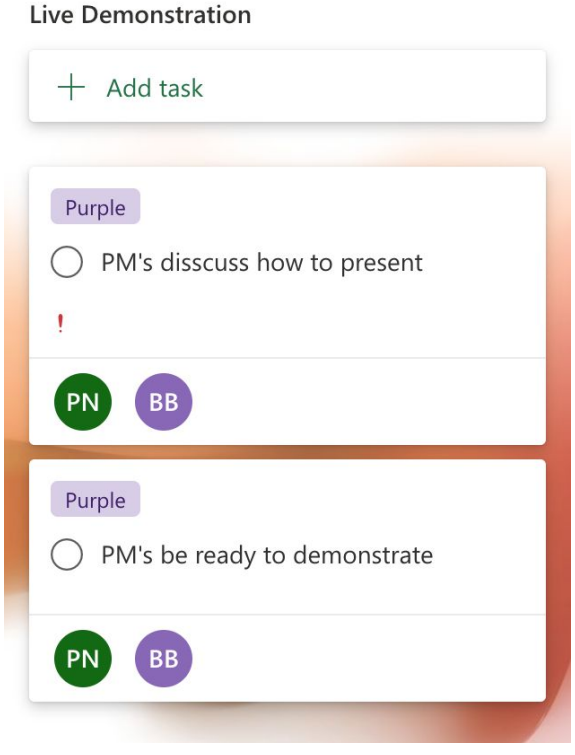
BURNDOWN CHART - PRIORITY



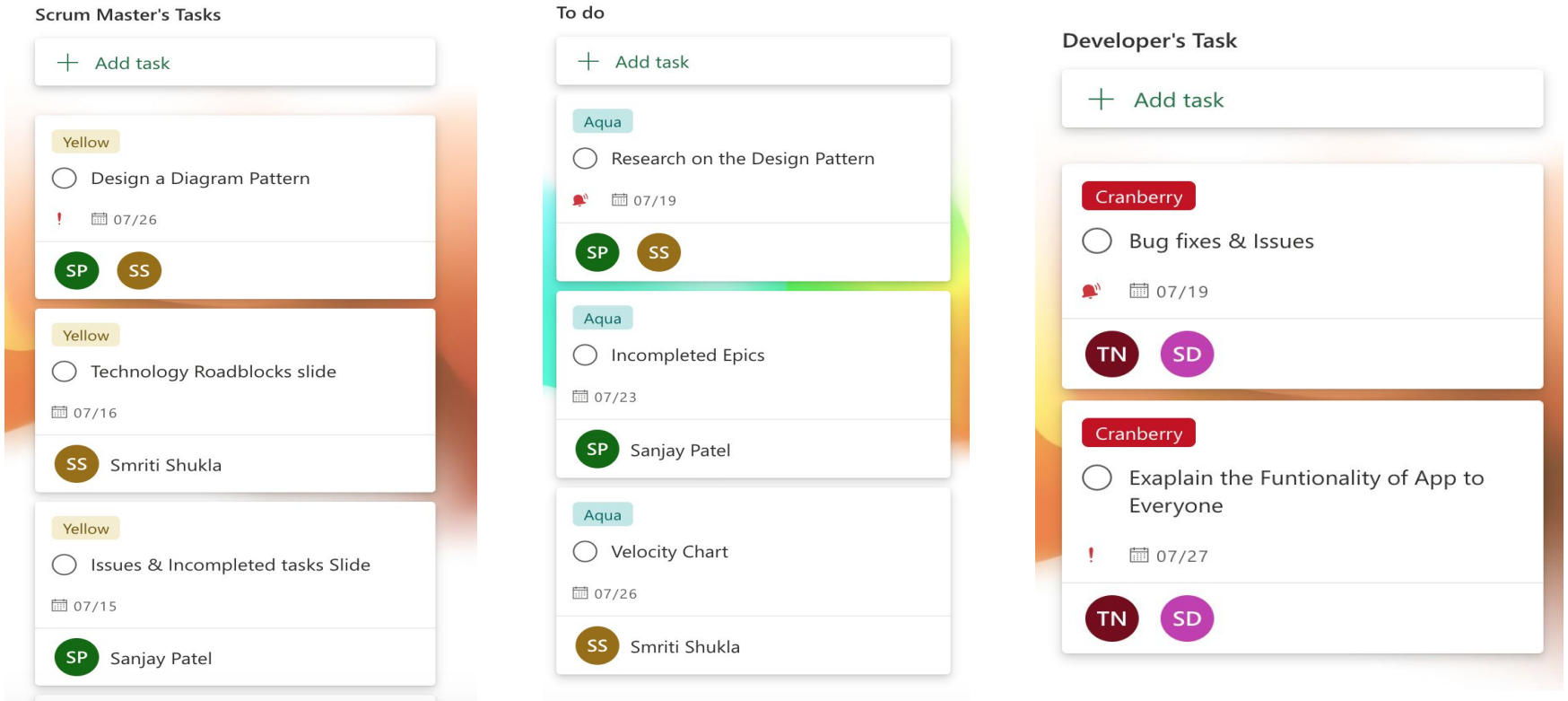
PROJECT MANAGER'S TASK

https://tasks.office.com/studentgsu.onmicrosoft.com/en-US/Home/Planner#/plantaskboard?groupId=2919b219-2952-45ac-b902-16e7f824a5d0&planId=zhUu4ASxREqA9Cm3SiJLKGQAEIAW

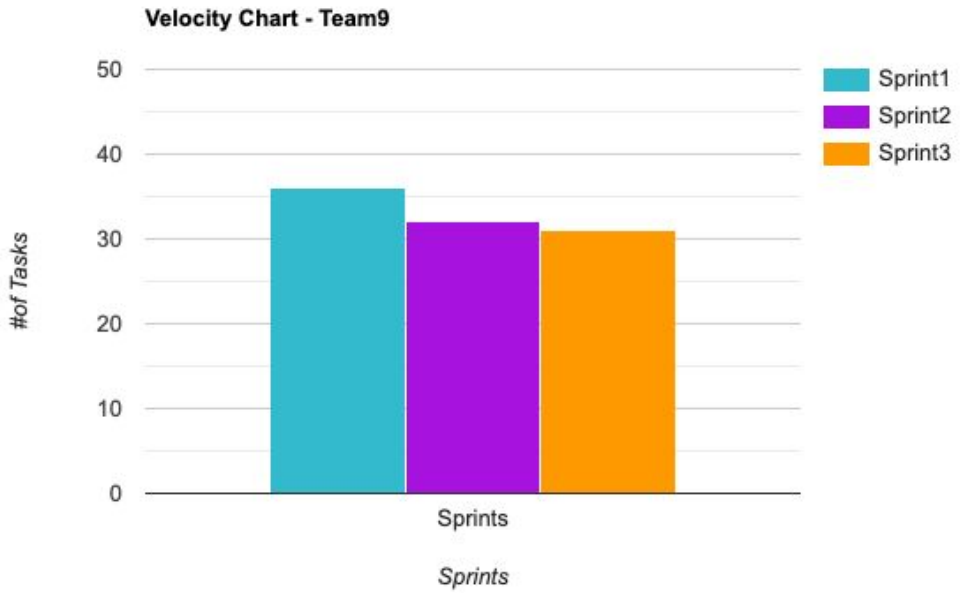




SCRUM MASTER & DEVELOPER TASKS



VELOCITY CHART



#of Tasks completed :

Sprint1 : **36 tasks**
Sprint2 : **32 tasks**
Sprint3 : **31 tasks**

Team's Velocity : **33**

Total #of tasks completed throughout the project : **99 tasks**

UNCOMPLETED EPICS

- Login and logout, as well as uploading image are all unavailable options.
- You cannot search by album, collection, user profile, and so on.
- Users were not able to select a specific photo quality when downloading them.
- Users were not able to utilize the app in offline mode.

TECHNOLOGY ROADBLOCKS & COLLABORATION ISSUES

- Due to a lack of time, we were unable to build in the essential language, Java.
- Reduce some features, such as the homepage and the ability to authorize rules before downloading, etc.
- Electron is a cross-platform desktop app that can be used on Mac, Windows, and Linux. Electron apps could be built and executed on all three platforms.
- Electron is built with Chromium and Node.js, thus it's not as light as HTML, CSS, and JavaScript. As a result, the exe file has increased in complexity (our project size is 136MB).
- We were unable to try, Neutralinos, to minimize the file size due to time constraints.
- We had to cancel a one-third of our scheduled meetings due to unanticipated circumstances.
- Approximately two-thirds of the total meetings were attended by all members.

TEAM COMMUNICATION

https://docs.google.com/document/d/1UxJ-g59iDaTyiqtkCMp96uegl3upVanliYkdVN0a_kM/edit?usp=sharing

Scrum Roadmap: *Build, Share, Use, Evolve*

Progress	Sprint 1 (July-1st)	Sprint 2 (July 15th)	Sprint 3 (July 29th)
Sprint Goal	Using Unsplash and Pixabay Source to incorporate their API into the web application.To address various security issues that aren't present on static websites. How can we integrate our application's four different building parts to automate the work processes? How can we do this without slowing down our current iteration rate?	The following should be able to be demonstrated and discussed. 1. Overview 2. Burndown chart 3. Velocity Chart 4. Completed epics 5. UX/UI Prototype 6. UML Sequence diagrams 7. UML use case diagrams 8. Moving forward	We must complete the working prototype with the functionalities decided upon during the initial sprint. We also must create a pattern diagram that shows how the system works. Final burndown and velocity charts displaying the final revisions and plans to complete the prototype. Finally,discuss any bottlenecks, system technologies, and be able to demonstrate a working application

Progress	Sprint-1	Sprint-2	Sprint-3
Features	*Reliable and Stable with basic features *Should provide a secure platform for users to share their material with third parties	*Manage audience broadcast rights to a specific content *Provide consumers with a simple way to find images depending on specified criteria such as location, time, image format, etc.	Because this is the core function of the program, there should be a button that produces and functions the entire prototype. It should be able to collect photos from pixabay or unsplash and display them on the screen for the
Prototype Functionality	The purpose of this sprint is to have the API from both unsplash and pixabay up and working with some basic functionality.	A basic working prototype that allows the user to download, search and retrieve pictures.	The prototype should allow the user to search for and download images.
Cleanup/Bug Fixes	Test the prototype and fix any issues.	Test the prototype and fix any issues.	Test the prototype and fix any issues

PROJECT SUMMARY

What was learned?

We each had our own set of roles that we played as programmers and developers on the team. It's been a lot of fun learning about all of these different roles along the way.

What could've been implemented?

Imagine if we had a map that was embedded to the photos on our site. The user could click any location and be directed straight to its corresponding photo, all from their desk!

How can we improve?

An exciting twist on this project would be a database that stores the images and all their accompanying information.

Why were we successful/accomplishments?

We all worked together and pitched in our own research and dedication towards to the project which led to a great project outcome.

-TEAM 9