

An aerial photograph of a city street at night. The scene is filled with long exposure light trails from vehicles, creating vibrant streaks of red, yellow, and green against the dark asphalt. Tall, modern skyscrapers with illuminated windows line the streets. A crosswalk is visible in the foreground, and a few cars are parked along the curbside.

# EASYWAY

Sprint 8

Subject: CS692

Computer Science Project 2

Designed By:

Vidisha Vijay Sawant

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# AGENDA



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# AGENDA

Team Member  
Roles and  
Responsibilities

Project  
Description

Team Working  
Agreement

Personas

Minimal Viable  
Product (MVP)

Technologies

Algorithms

Diagrams

Sprint 1-4 Recap

Sprint 5- 7 Recap

Improvements  
made from  
Professor  
Feedback

Product Backlog

Sprint 8 Backlog

Metrics

Retrospective

Project Demo

Github Link

Live Application  
Demo

# TEAM MEMBER ROLES AND RESPONSIBILITIES



Kshitij Sharma  
Machine Learning  
Engineer & Software  
Developer



Aditya Kadarla  
Scrum Master/Project  
Manager



Vidisha Vijay Sawant  
Software Developer &  
Cloud Engineer

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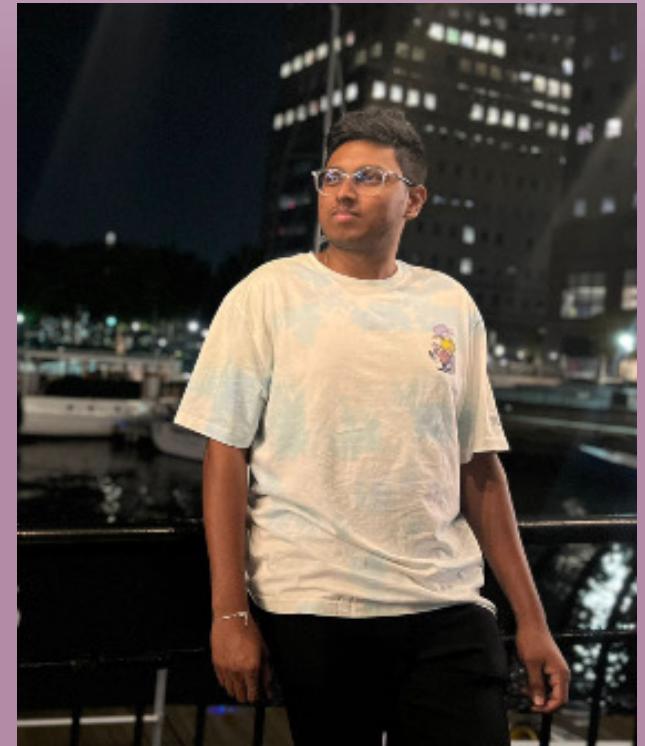
# TEAM MEMBER ROLES AND RESPONSIBILITIES



Shubham Sawant  
Machine Learning  
Engineer & Software  
Developer



Femina Baldha  
Frontend Developer/  
Designer



Ravi Kumar Dabbada  
Database Administrator

# PROJECT DESCRIPTION

Project Description	
Project Name:	EasyWay
Team Name:	D-Coders
Project Description	<p>EasyWay is a web app that provides instant access to reliable, certified, and affordable on-demand home services. With our user-friendly platform, customers can easily book a wide range of services and enjoy hassle-free scheduling at competitive rates. By using EasyWay, customers can save time and money while enjoying the convenience and quality of certified professionals.</p> <p><b>For users who want to book reliable, certified, and affordable on-demand home services, the EasyWay web app is a user-friendly platform that offers hassle-free booking, flexible scheduling, and a wide range of service categories. Unlike traditional methods of calling or texting professionals, our solution provides instant access to the availability of certified professionals and makes it easy to book them online.</b></p>
<b>Benefit Outcomes:</b> <ul style="list-style-type: none"><li>Time savings by eliminating the need for phone calls and text messages to book a professional</li><li>Increased availability of professionals to choose from</li><li>Improved quality of services due to the use of certified professionals</li><li>Cost savings due to our competitive rates for on-demand services</li><li>Convenient scheduling options that allow users to book services at a time that suits them best.</li></ul> <p>With our focus on delivering measurable benefits to our customers, we believe that EasyWay has the potential to transform the home services industry and improve the lives of our users.</p>	
GitHub Wiki:	<a href="https://github.com/ksharma67/EasyWay/wiki">https://github.com/ksharma67/EasyWay/wiki</a>

# D-CODERS TEAM WORKING AGREEMENT

## Team Agreement

### Participation :

- All the team members are expected to attend the meetings promptly.
- Absence during multiple meetings will affect the team's performance and efficiency. The team member can discuss beforehand with the team leader if he/she is going to miss the meeting or make it up for it before the next meeting is scheduled.

### Communication :

- The team will communicate with each other through a variety of channels. For weekly meetings for meaningful team discussions, zoom meetings will be used. All the team members are highly encouraged to keep their cameras on, which will be able to build trust between the team members and reflect transparency.
- To discuss regarding minute details and doubts or anything urgent, a Whatsapp messenger group will be used.
- To share the final deliverables, Google docs will be used where all the team members can edit the document.
- A common platform called Slack has been set up for all team members, where designated groups have been created, such as Developers,
- Database management, bugs, attendance, weekly-plan, and meeting minutes. This manages all the bits and pieces of the project and makes the project management efficient.

### Work Division :

- The entire project work should be divided into equal parts, and equal responsibilities should be given to all the team members.
- Each team member should complete their division of work before the deadline. If they are unable to complete the work on time, that hinders the performance of the entire team. If in case a team member is facing trouble and issues at some point, they can share it with others so that they can help each other and complete the work before the deadline.

### Meetings :

- All the team members will meet on zoom virtually every Tuesday and Friday. All the team members have to be present, as attendance is mandatory unless there is an exceptional case.
- The team leader would be responsible for sending meeting details and conducting the meeting.
- A meeting track or meeting minutes report would be listed after every meeting to keep track of the project and its progress.
- Every team member is expected to come up with ideas, participate in the discussion, and give an update on their progress for their part of the work.

### Team Members:

Kshitij Sharma - KS81104N  
Vidisha Vijay Sawant - VS10015N  
Shubham Pravin Sawant - SS97349N  
Femina Baldha - FB59536N  
Ravi Kumar Dabbada - RD83159N  
Aditya Kadarla - U01821934

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# PERSONAS



# PERSONA 1



## Demographics

*Name:* Prathna De  
*Age:* 28  
*Location:* Jersey City, NJ  
*Job:* Graphic designer  
*Salary:* \$90000-\$95000/year  
*Family:* Mom-Dad, elder brother

## Profile

Prathna holds a Bachelor of Visual Communication (Graphic Design Major) from The University of Newcastle, Sydney, Australia with a Dean's Recommendation of Honours, and has over 5 years of experience in the field with multiple awards, including the 'Best of Brand Design' awarded by LinkedIn. She's a digital nomad and travels the world while freelancing & blogging.

## Interests

- Blogging
- Traveling across the world
- Exploring new places
- Photography, Videography
- Designing on Adobe Illustrator
- Freelancing
- Playing music

## Frustration

- Sometimes she couldn't take luggage with her while traveling and needs assistance to transfer/deliver her luggage or camera stuff safely to some location.

## Goals

- Needs assistance with her accessories or luggage to deliver at the place where she has traveled.
- Safety assurance with the luggage as it can carry delicate stuff like cameras.

# PERSONA 2



## Demographics

*Name:* Angela Mathew

*Age:* 55

*Location:* Ontario, Ca

*Job:* Entrepreneur

*Salary:* Ca\$50000-Ca\$60000/year

*Family:* Two children and husband

## Profile

Hospitality-focused, dedicated to excellence, and highly knowledgeable are just a few terms most often used to describe Angela. This Ontario native was immersed in her family's hospitality and the food service industry from an early age. Her father was an energetic and successful restaurateur in Ontario who kept her engaged in the business throughout her youth.

## Interests

- Trying new food menu at home
- Attending food fairs
- Taking part in a food contest
- Conducting food competitions
- Preparing different cuisines for children
- Reviewing various restaurants

## Frustration

- Finds difficulty in maintaining health
- Feels obesity
- Can't keep herself fit
- Disturbed mind due to obesity

## Goals

- Needs fitness tips to remain fit
- Need a health instructor who can guide her after eating a variety of food
- Needs meditation and yoga tips

# PERSONA 3



## Demographics

*Name:* Victor Carlos  
*Age:* 35  
*Location:* Alabama, Ga  
*Job:* Marketing Analyst  
*Salary:* \$70000-\$85000/year  
*Family:* Lives with his girlfriend

## Profile

As a seasoned marketing analyst, Victor has spent the past 5 years working with companies to bring their products to the national stage. He owns a massive house in the City of Georgia; living with his girlfriend Lucy and a pet dog named Bruno. He is very self-groomed and tidy. He ensures that each project is well-researched with good examples.

## Interests

- Reading novels
- Stay up-to-date with daily stock updates
- Loves animals, especially dogs
- Attending business fairs and workshops
- Loves to be fastidious

## Frustration

- Owns a big house and finds it difficult to maintain it.
- Take care of his pet dog, Bruno, when he and his girlfriend Lucy are out for work tours.

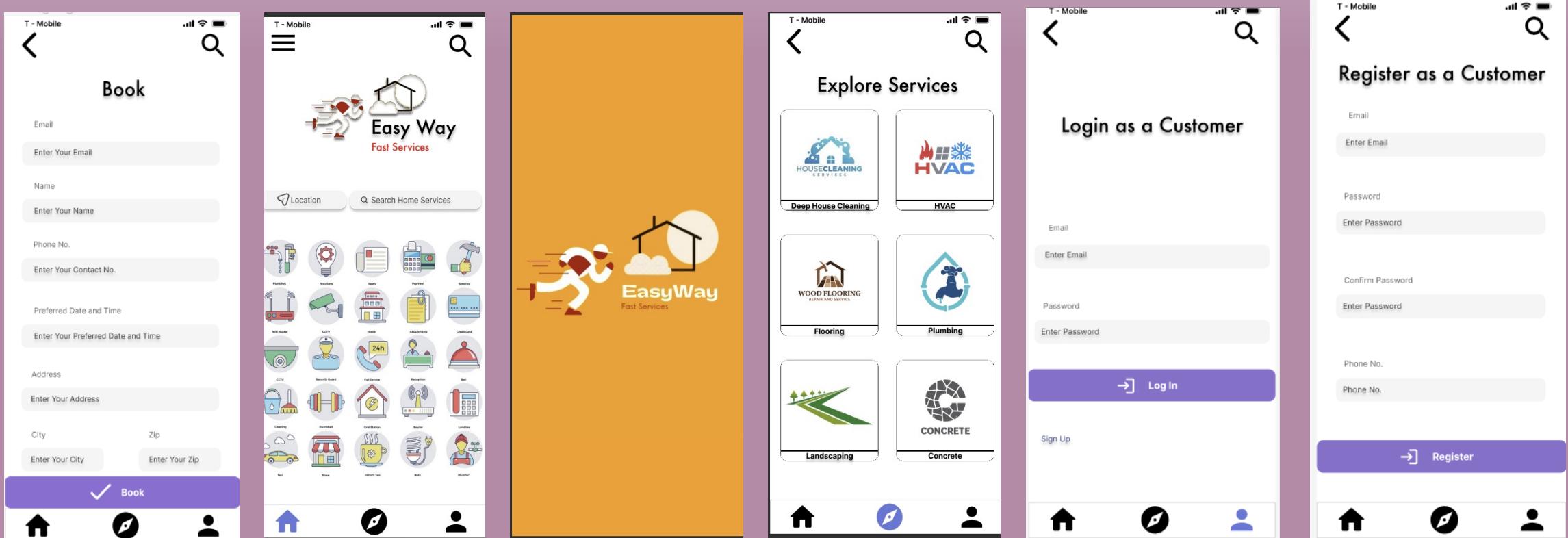
## Goals

- Need house cleaning services
- Need service to look after his pet dog
- Need a secure person to take care of his house when he is out on a work tour

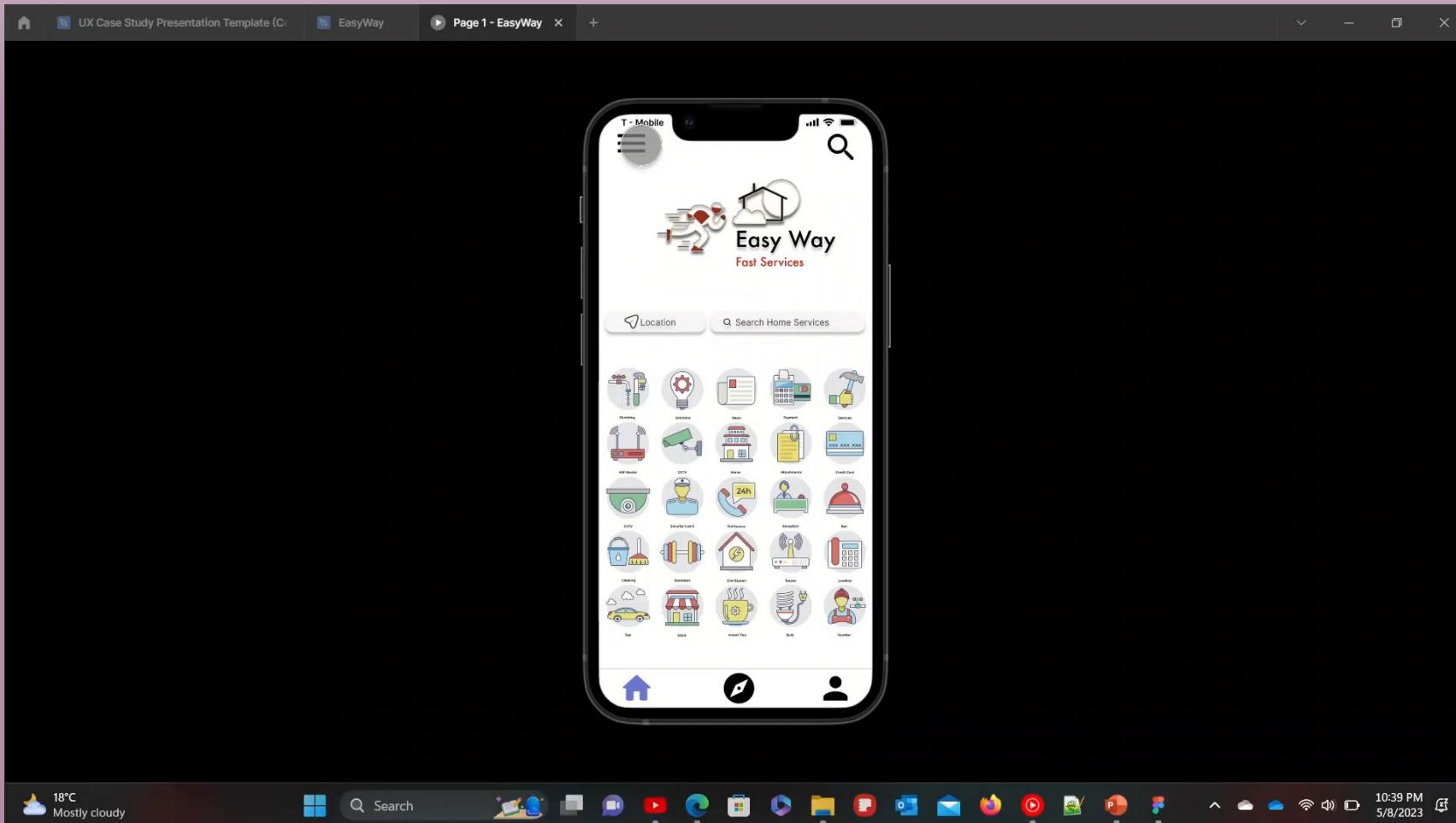
# MINIMAL VIABLE PRODUCT (MVP)

1. Homepage
2. Service Catalog
3. Cancel Booking
4. Registration – Customer and Professional
5. Login – Customer and Professional
6. Book – Calendar and Time
7. Booking Confirmation via email or in-app

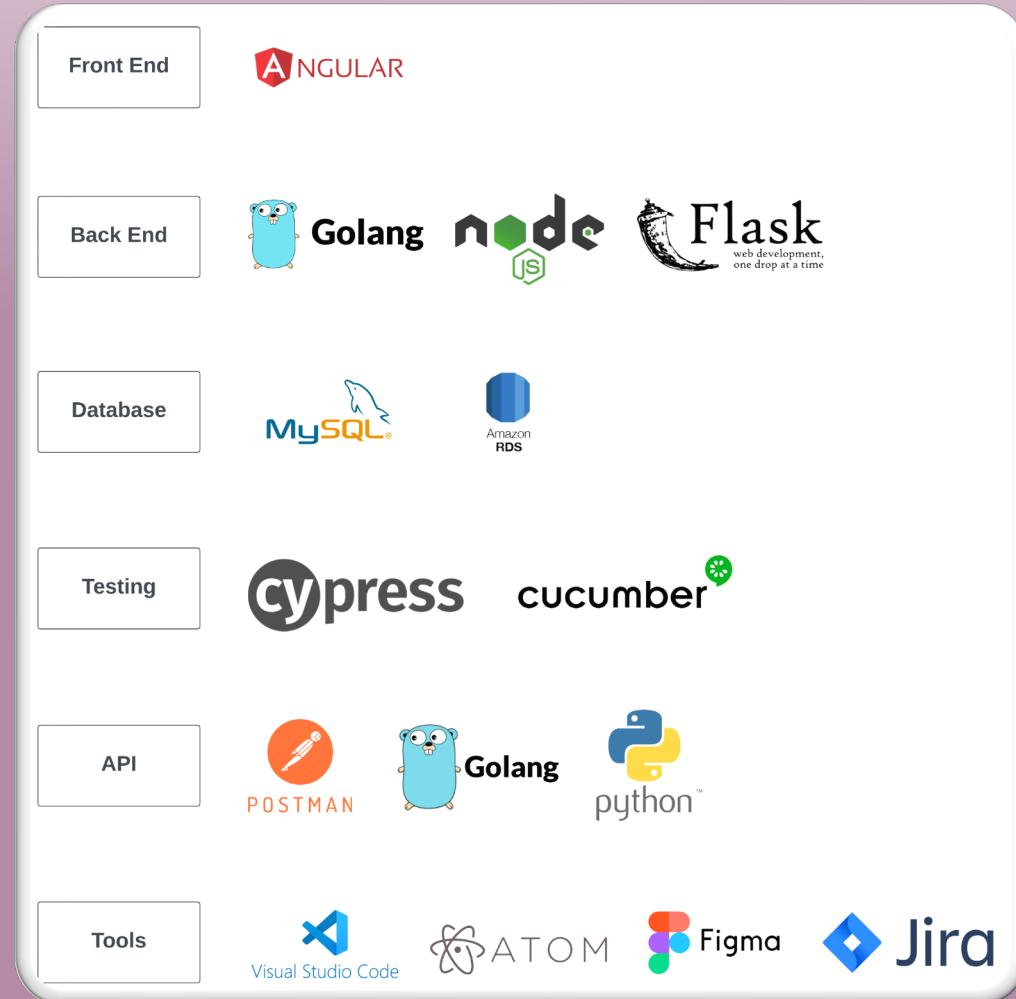
# MINIMAL VIABLE PRODUCT (MVP) LOGIN REGISTRATION AND CUSTOMER PROFILE



# FIGMA



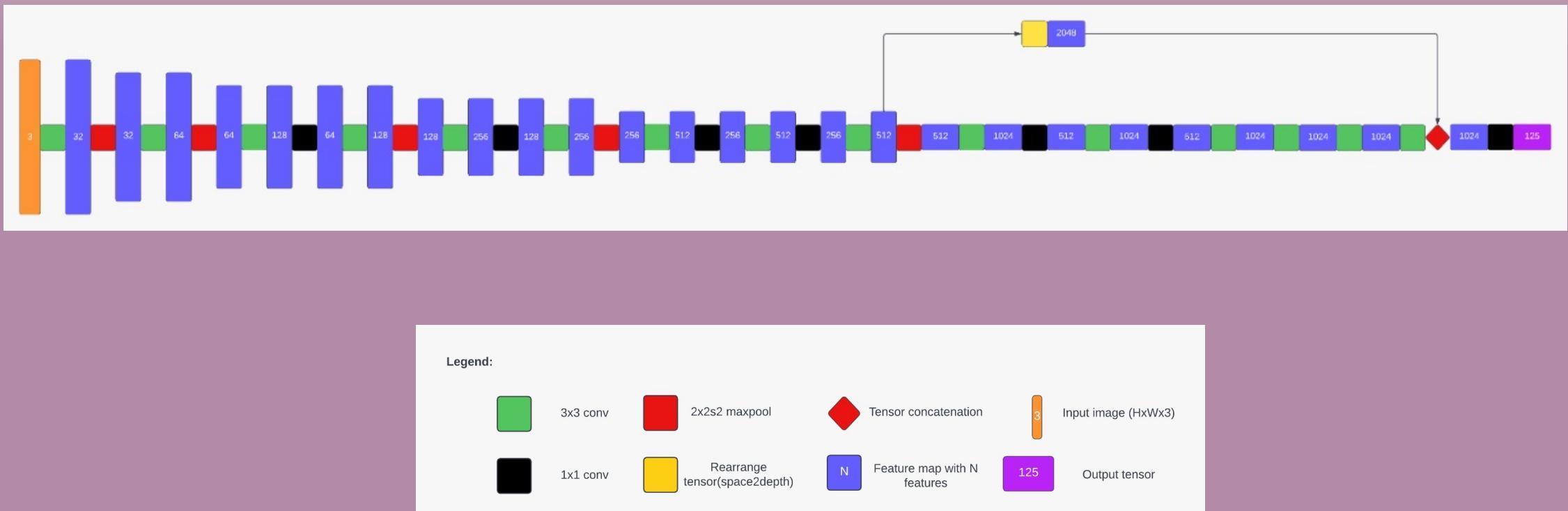
# TECHNOLOGIES



# ALGORITHM

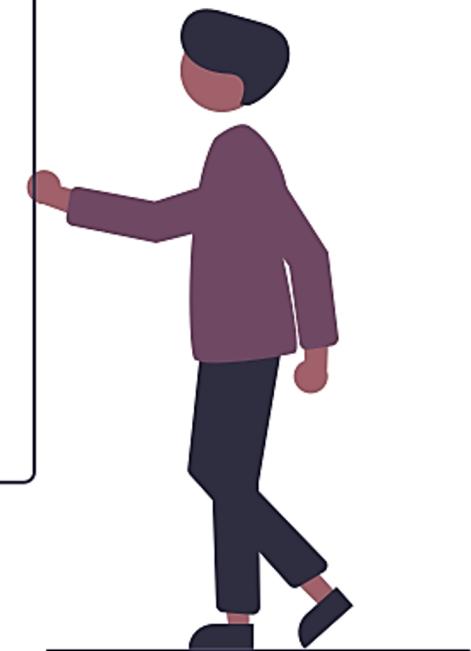
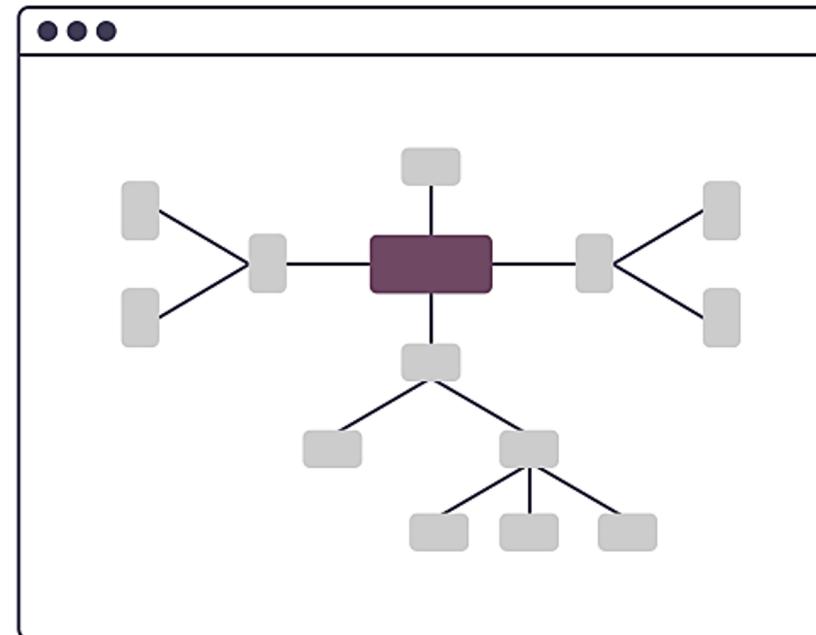
This is a **real-time object detection algorithm** that identifies specific objects in videos, live feeds, or images. This machine learning algorithm uses features learned by a deep convolutional neural network to detect an object. Object classification systems are used by Artificial Intelligence (AI) programs to perceive specific objects in a class as subjects of interest. The systems sort objects in images into groups where objects with similar characteristics are placed together, while others are neglected unless programmed to do otherwise. This is a **Convolutional Neural Network (CNN)** for performing object detection in real-time. CNNs are classifier-based systems that can process input images as structured arrays of data and recognize patterns between them ([view the image on the next slide](#)). This has the advantage of being much faster than other networks and still maintains accuracy. It allows the model to look at the whole image at test time, so its predictions are informed by the global context in the image. All other convolutional neural network algorithms “score” regions based on their similarities to predefined classes. High-scoring regions are noted as positive detections of whatever class they most closely identify with.

# ALGORITHM

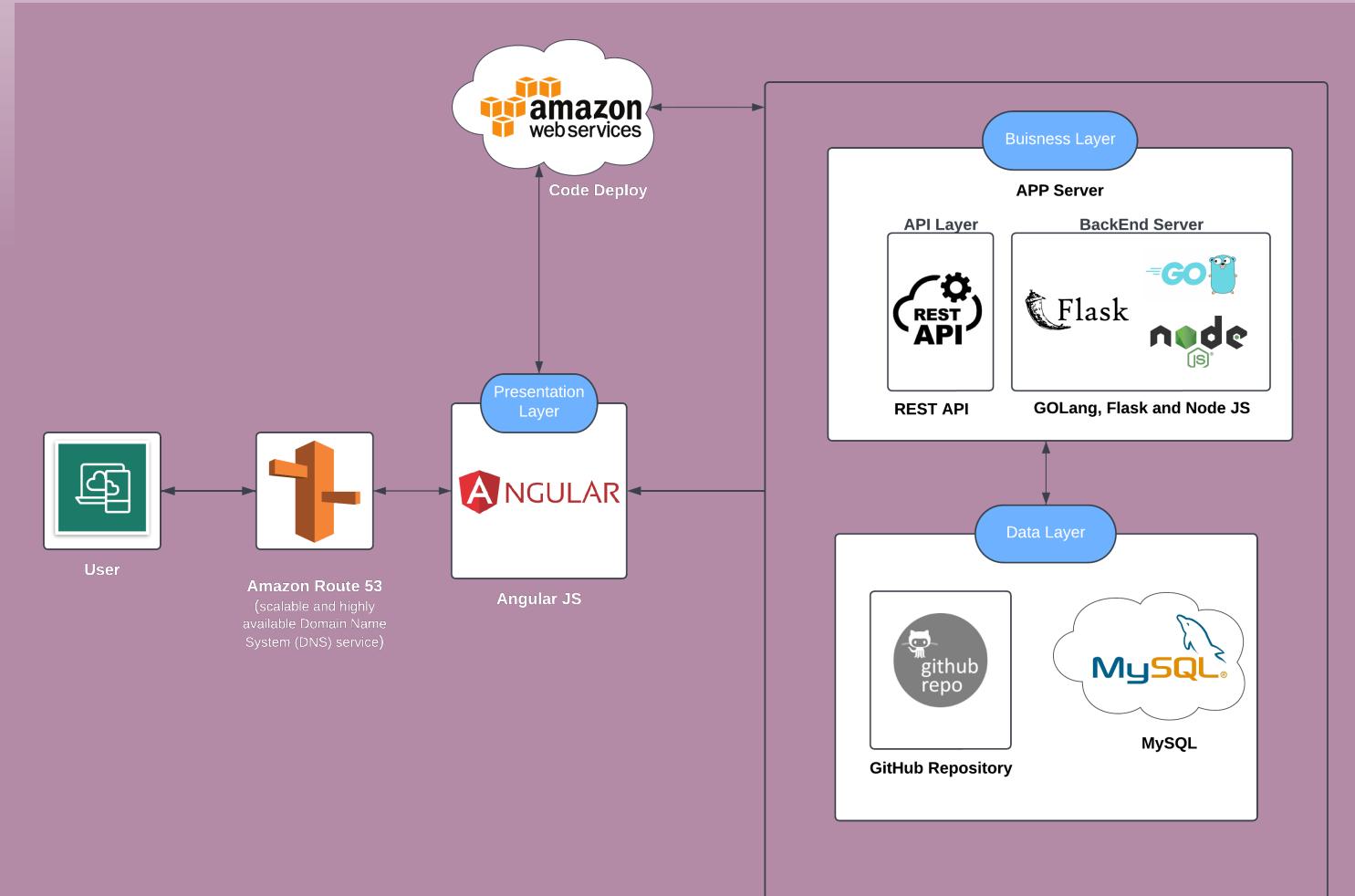


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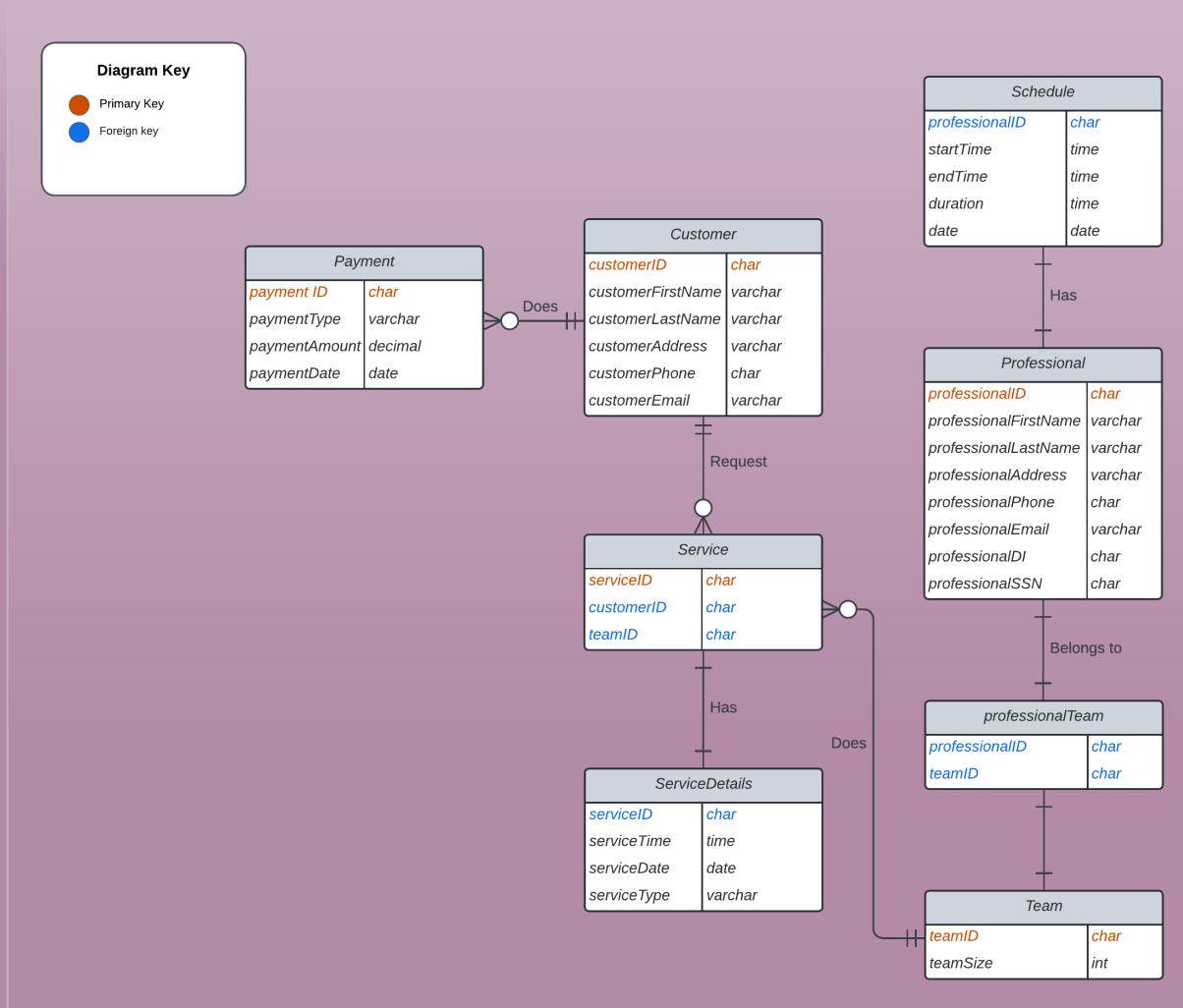
# DIAGRAMS



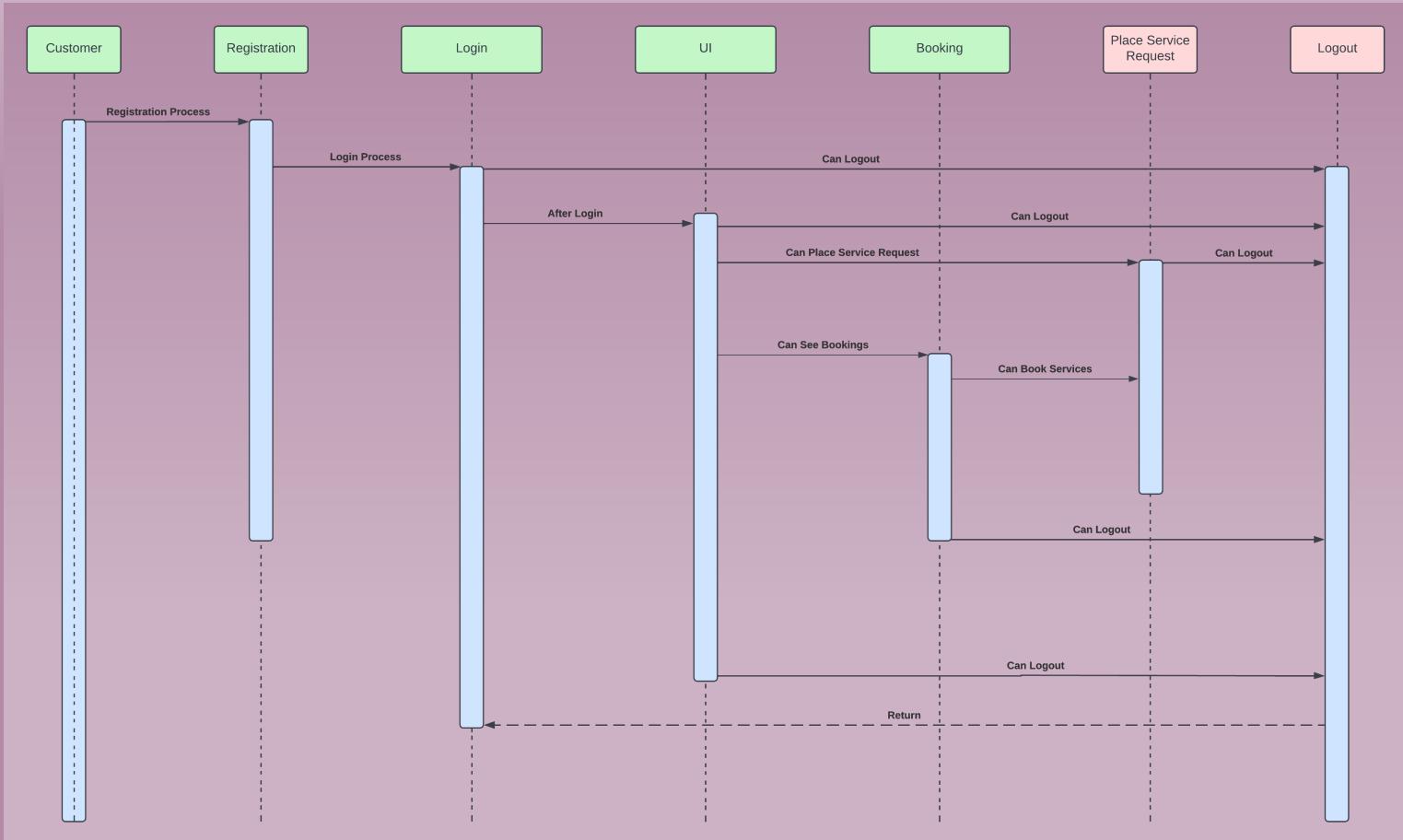
# CONCEPTUAL ARCHITECTURE DIAGRAM



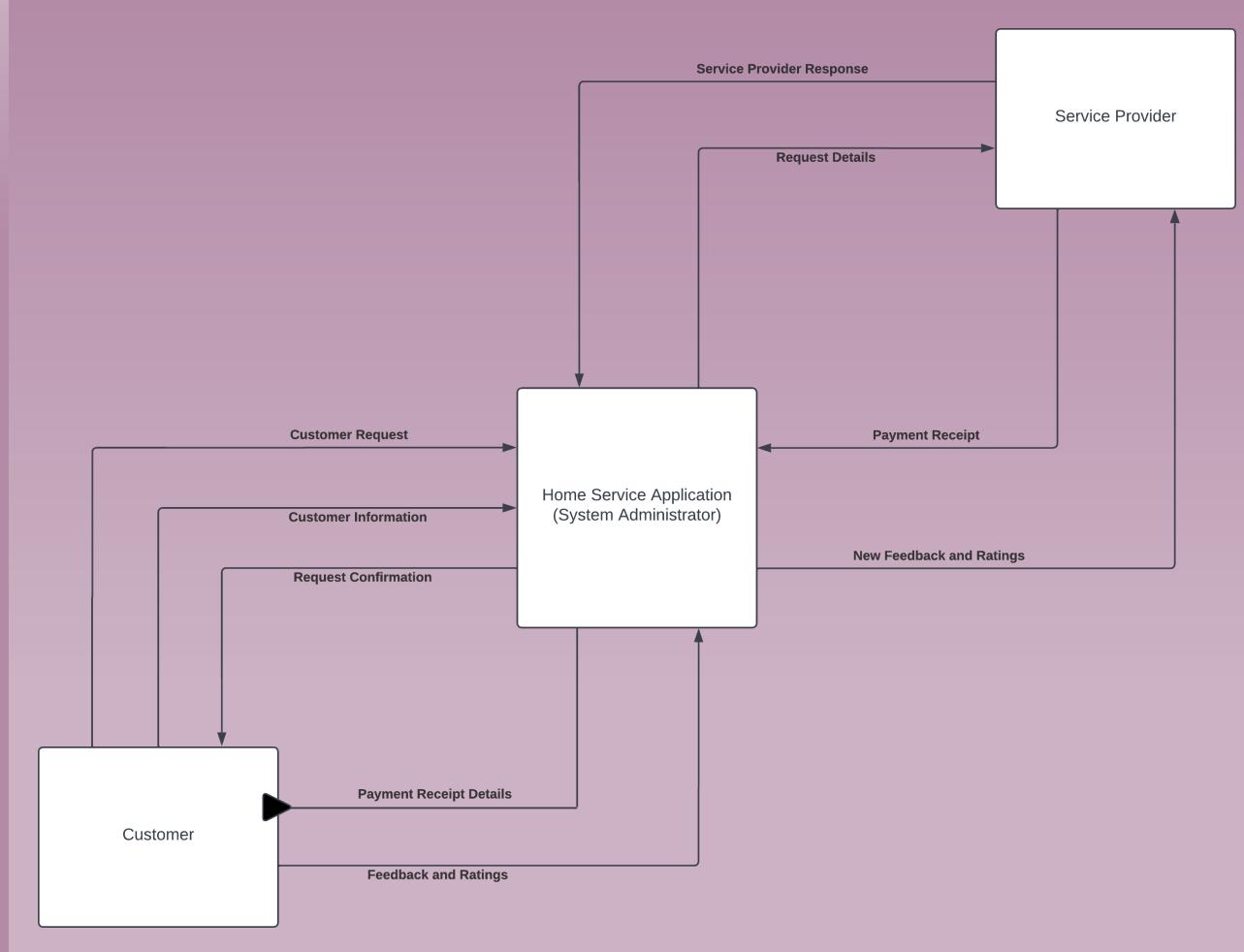
# ERD DIAGRAM



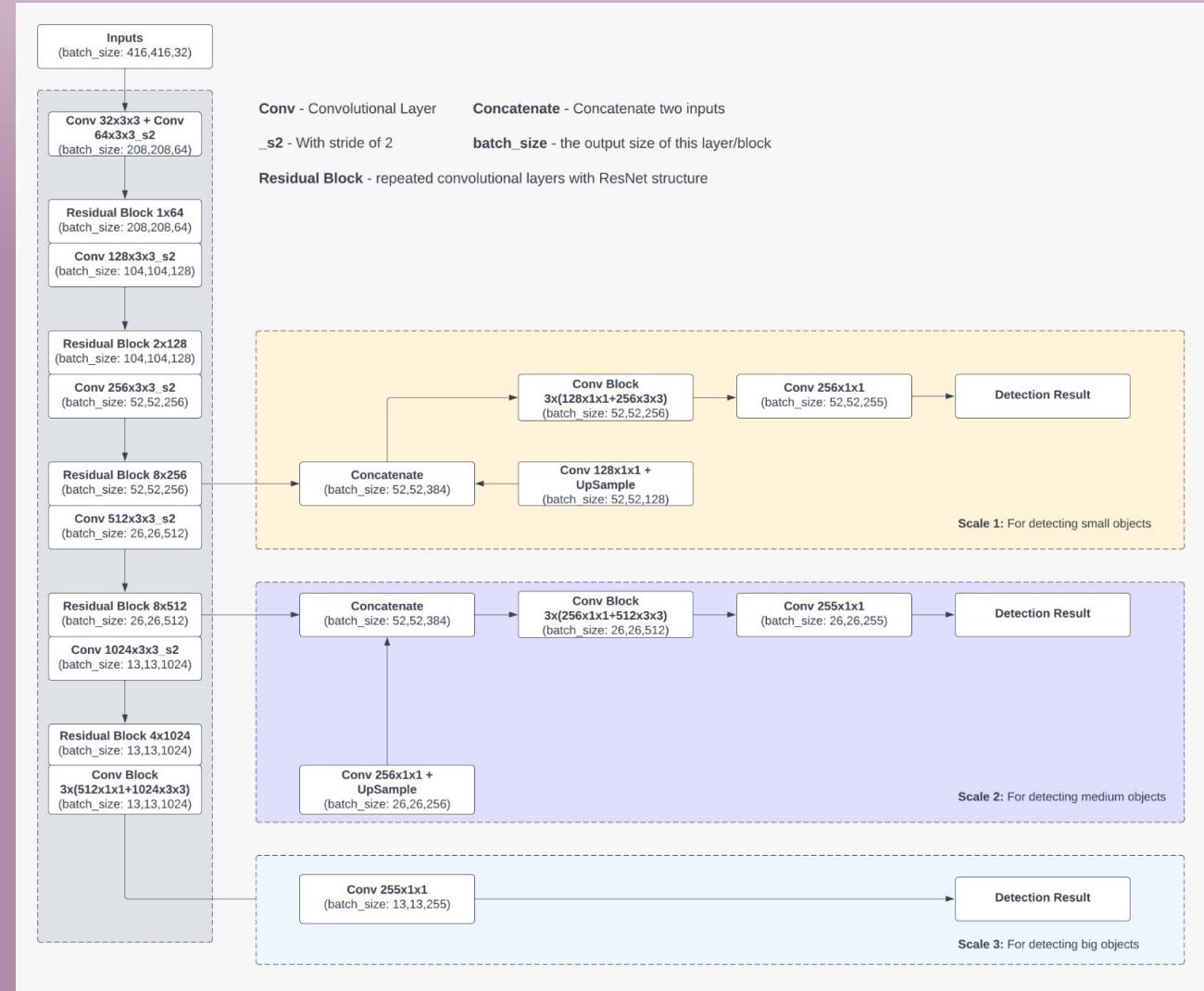
# USER SEQUENCE DIAGRAM



# DATA FLOW DIAGRAM LEVEL 0



# ALGORITHM NETWORK ARCHITECTURE



# SPRINT 1-4 RECAP



# SPRINT 1

Issue Type	Key	Name
Task	DCS-6	Work on deliverable 1 presentation
Task	DCS-5	Establish weekly meetings
Task	DCS-4	Establish team roles
Task	DCS-3	Setup development tools (GitHub and Jira)
Task	DCS-2	Create a significant business application

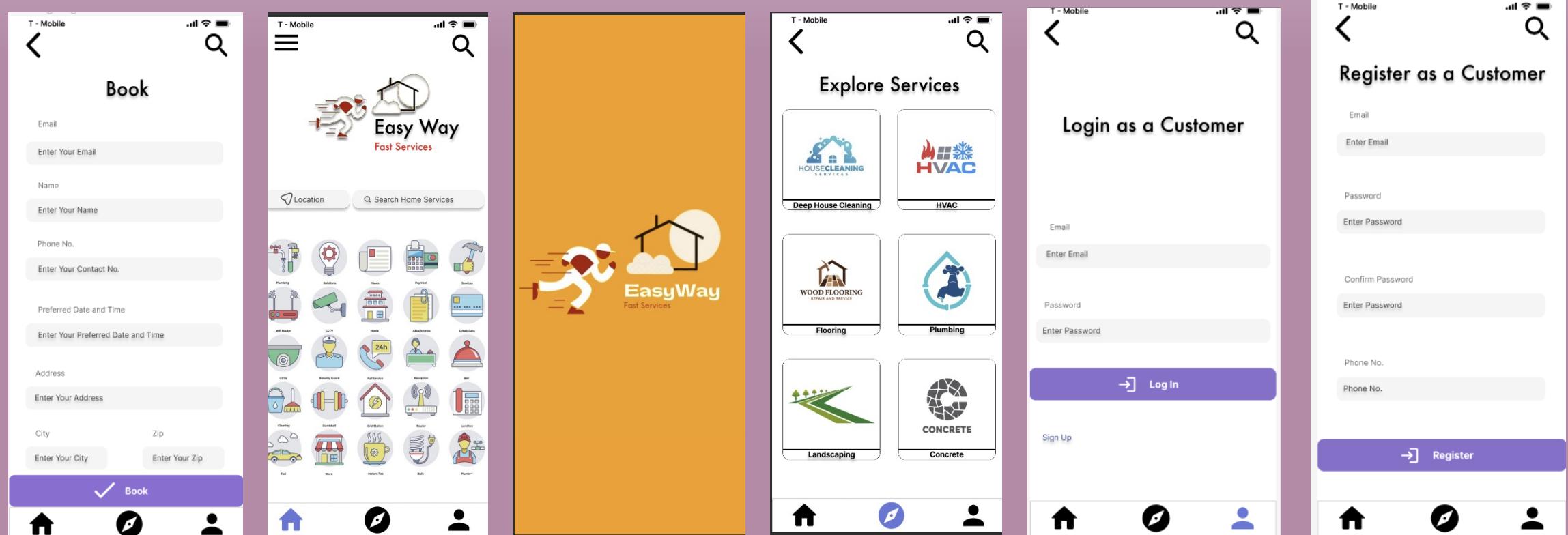
- In sprint 1 we decided on our web application idea.
- We created our schedule, and team working agreement and assigned each team member their roles.
- We also set up our development tools which we used for 8 sprints to create, maintain and update our web application and communication.

# SPRINT 2

Issue Type	Key	Name	Story Points Estimate
Story	DCS-14	As a signed-in customer, I want to log out So that I can have my privacy in the app.	3
Story	DCS-13	As a customer, I want to register myself to the application So that I can keep my account private and login using email/phone and password.	5
Story	DCS-12	As a customer, I want to login into the app, So that I can use it to store all my information.	5
Task	DCS-10	Create MVP Prototype - Figma	3

- In sprint 2 we created login and registration for our web application.
- We also created MVP Prototype using Figma.
- We started to use Jira for work management.

# MINIMAL VIABLE PRODUCT (MVP)



# Homepage

A screenshot of a web browser window displaying the login page for the EasyWay app. The browser's address bar shows "localhost:3000". The page itself has a white background. In the center, there is a yellow square containing the EasyWay logo, which features a red stylized figure running towards a house with a sun behind it, with the text "EasyWay" and "Fast delivery" below it. Below the logo, the text "EasyWay login" is displayed in a bold, black, sans-serif font. Underneath that, a smaller text reads "Login page of EasyWay app with user authentication via passport." At the bottom left, there is a blue rectangular button with the word "REGISTER" in white capital letters. To the right of the button, the words "LOG IN" are written in a smaller, gray font.

# REGISTRATION PAGE

A screenshot of a web browser showing a registration form. The address bar at the top displays "localhost:3000/register". The page has a dark header with the text "BACK TO HOME" and a "SIGN UP" button. The main content area contains fields for Name, Email, Password, and Confirm Password, all of which have placeholder text. The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with various icons.

← BACK TO HOME

**Register below**

Already have an account? [Log in](#)

Name  
Kshitij

Email  
test@easyway.com

Password  
\*\*\*\*\*

Confirm Password  
\*\*\*\*\*

**SIGN UP**

# LOGIN PAGE

A screenshot of a web browser window displaying a login page. The address bar shows the URL `localhost:3000/login`. The page itself has a white background with black text. At the top left, there is a "BACK TO HOME" link. Below it, the text "Login below" is centered. Underneath that, a link says "Don't have an account? [Register](#)". There are two input fields: one for "Email" containing `test@easyway.com`, and another for "Password" containing five dots (`.....`). At the bottom center is a blue rectangular button with the word "LOGIN" in white capital letters.

← BACK TO HOME

**Login below**

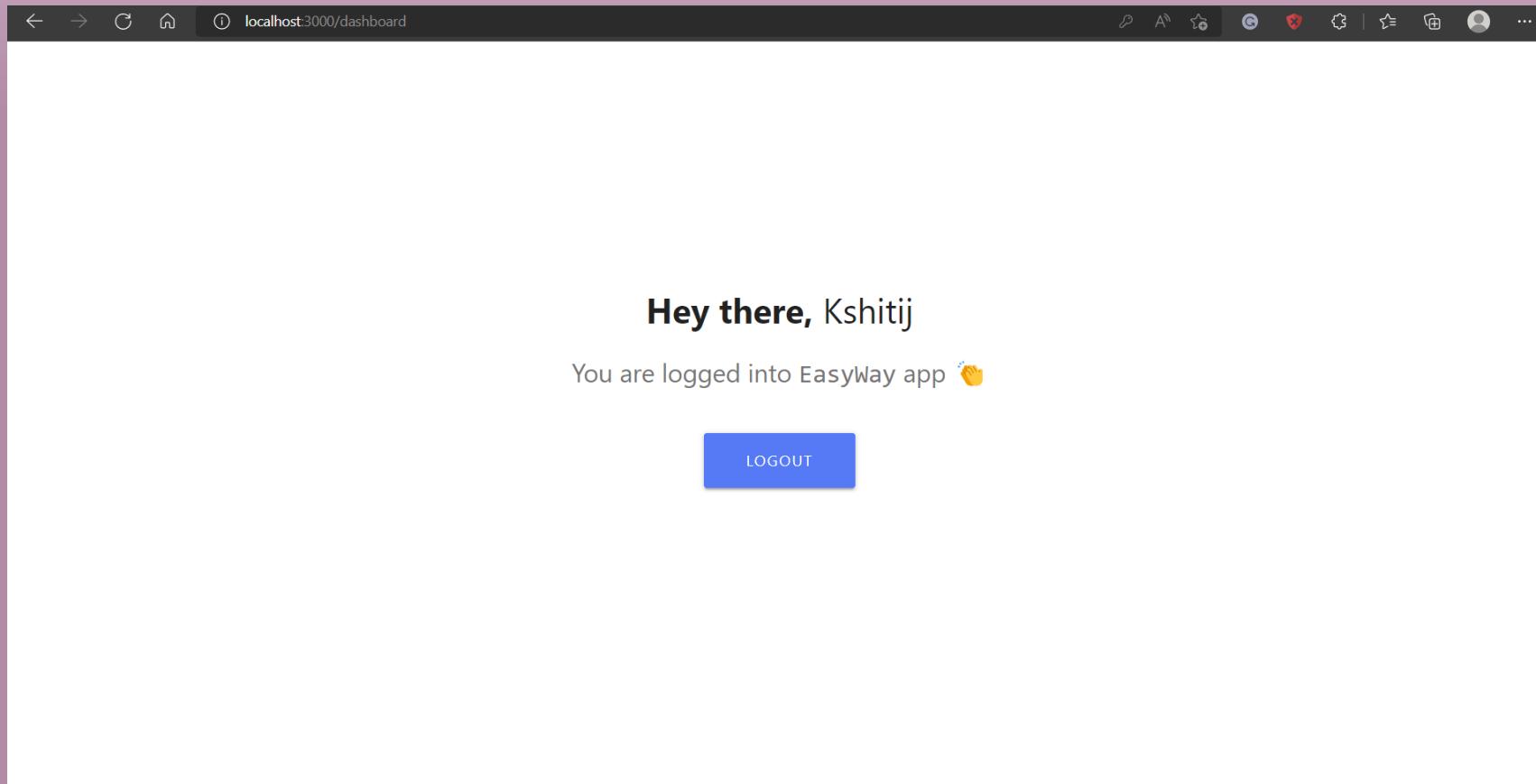
Don't have an account? [Register](#)

Email  
test@easyway.com

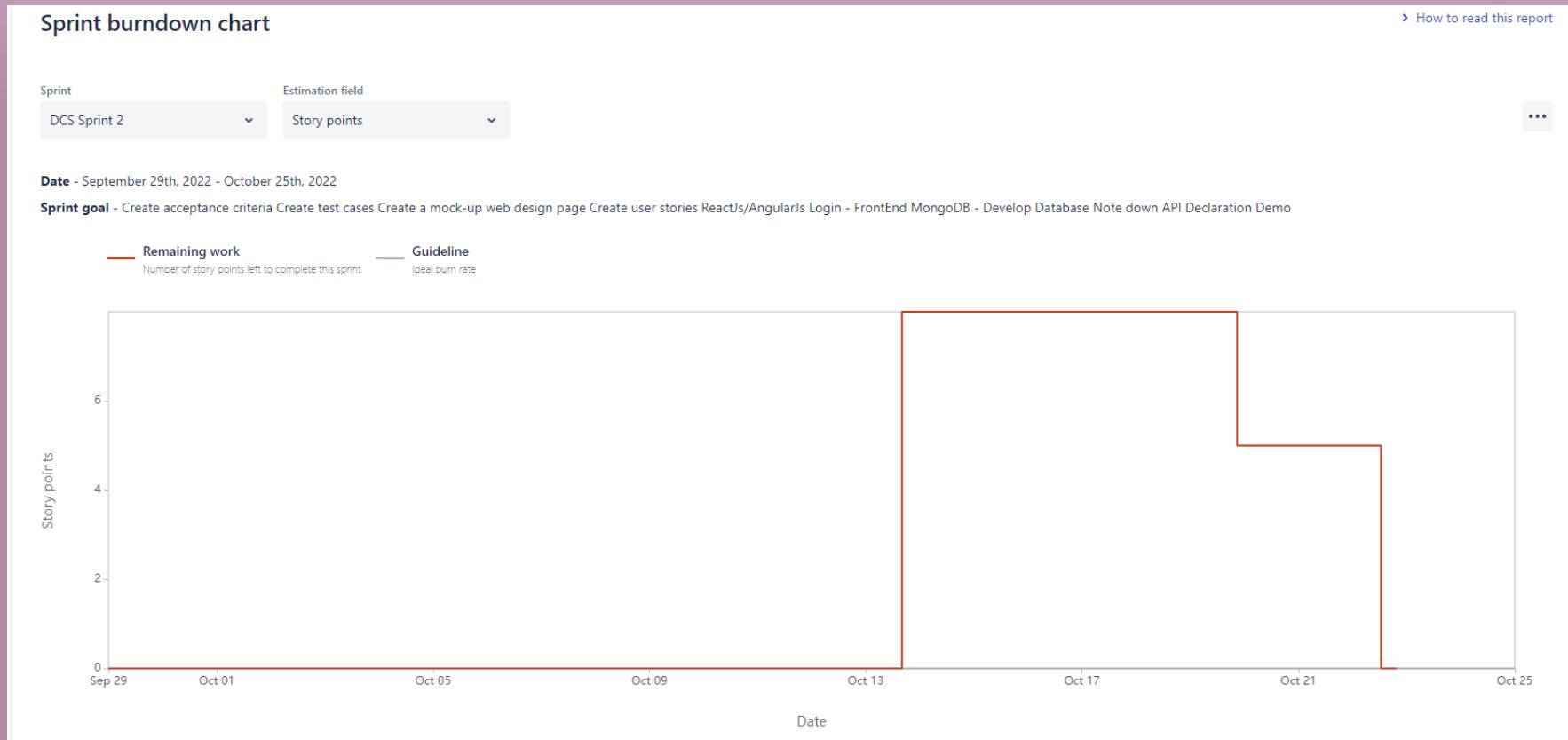
Password  
.....

LOGIN

# LOGGED IN



# SPRINT 2 BURNDOWN CHART



We committed to 0 story points and completed 16 story points.

# SPRINT 3

Issue Type	Key	Summary	Story Point Estimate
Story	DCS-51	As a customer, I want to browse all the services provided by the app, So that I have a list of professionals to select from and book them accordingly.	3
Story	DCS-49	As a customer, I want to create my profile, So that I can store my Name, Address, and Phone No. in it.	5
Story	DCS-48	As a customer, I want to browse the service list, So that I will be able to see what services this app offers.	3
Story	DCS-18	As a customer, I would like to have a landing page explaining all the features of the platform, So that I am motivated to register.	5
Task	DCS-17	Draft Technical Paper	8

- We created our service list so that customers can access it and view and book all the services offered by us.
- We created a customer profile.
- We created a landing page explaining all the features of the web application.
- We drafted our technical paper.

# Homepage

localhost:4200/home

localhost:4200/home

EasyWay

EasyWay

One Click booking for your home services. On Demand.

My Bookings    Checkout Services

Introducing the ultimate platform for on demand services

We help customers book reliable & high quality services for your home on demand. These services are delivered by highly trained professionals at your time and schedule.

Quality Assurance

We use industry grade equipment for the best in class service. We pride in our quality of service and have you cannot go wrong choosing us.

Affordable Prices

We cut hair not wallets. We clean homes not your accounts. We believe that living a comfortable life should not break any banks.

Trained Professionals

Our service personnel go through long training before they are approved to do your work. Whether its cleaning, plumbing, maintenance or grooming, our experts will handle it easily.

Schedule Friendly

We understand that your schedule is important, which is why we help you be as flexible as possible. Choose from the day and time you feel is the best for you in one click during our checkout.

# SERVICE CATALOG

localhost:4200/services

EasyWay

Services List



AC Maintenance

Any type of AC maintenance such as filter cleaning, part replacement, etc.

Book Now



Plumbing

Sanitary and household plumbing. No sewage service.

Book Now

Home Book a Service My Bookings Profile Logout

localhost:4200/services



Saloon

Haircut, massage, nailwork, makeup, etc.

Book Now



Furniture Repair

Furniture frame repair, drilling, fitting new furniture, etc.

Book Now



Exterminator

Pest control, wildlife evac, alligator emergency, etc.

Book Now

Home Book a Service My Bookings Profile Logout

# CUSTOMER PROFILE PAGE

The screenshot shows a web browser window for the 'EasyWay' platform at the URL `localhost:4200/profile`. The page has a dark header bar with navigation icons and a user profile icon. Below the header, the main content area is titled 'Profile Settings'. It features a circular placeholder image for a profile picture, with the name 'dummy' and email 'dummy@ufi.edu' displayed below it. To the right of the placeholder are three input fields: 'Name' (containing 'Dummy Duck'), 'Gender' (containing 'M'), and 'City' (containing 'NJ'). A blue 'Save Profile' button is located at the bottom of this section. At the very bottom of the page is a dark footer bar containing links for 'Services', 'About', and 'EasyWay', along with social media icons for Facebook, Twitter, LinkedIn, and Instagram.

localhost:4200/profile

EasyWay

Profile Settings

Name  
Dummy Duck

Gender  
M

City  
NJ

Save Profile

Services

Home  
Terms  
Privacy Policy  
Returns & Refunds

About

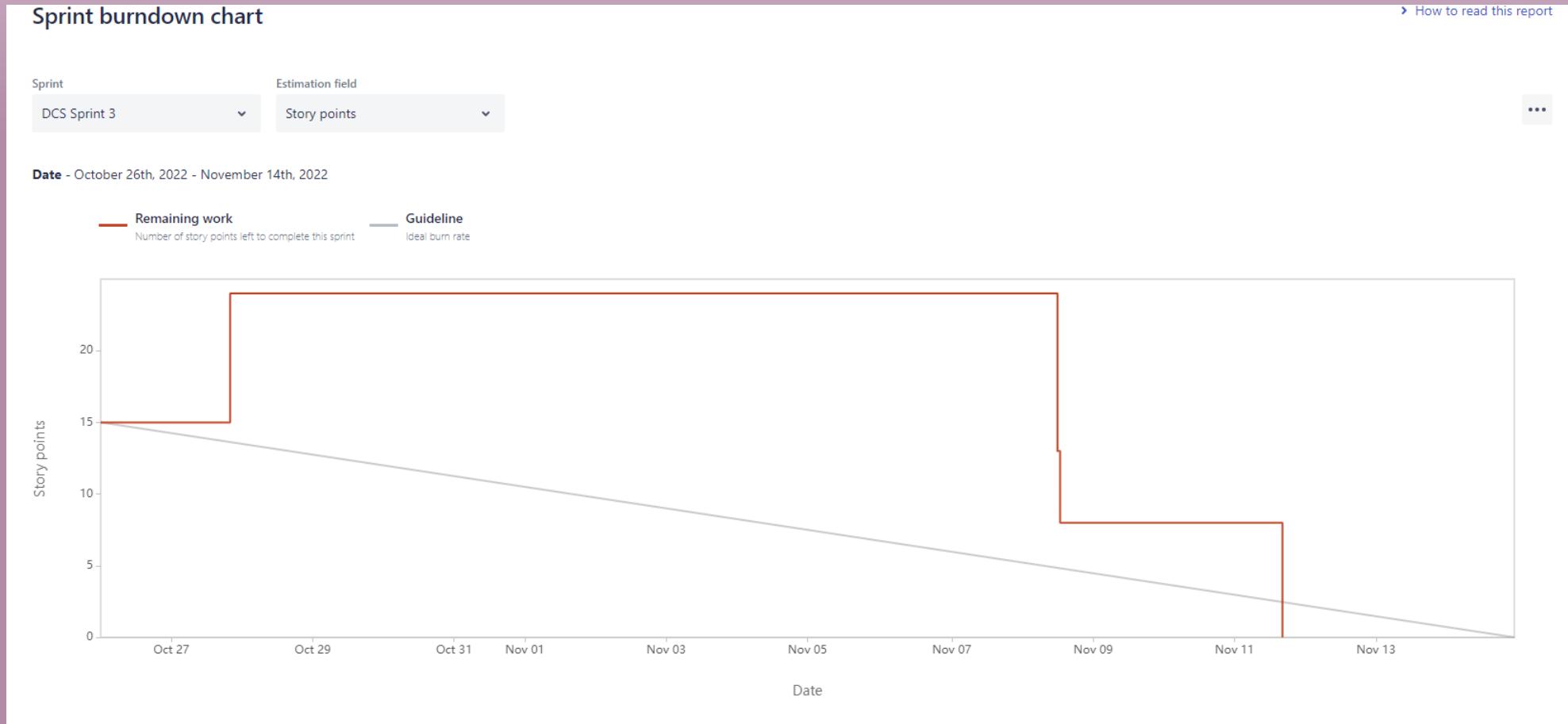
Project  
Careers

EasyWay

The platform helps customers book reliable & high quality services for your home on demand.  
The services are delivered by highly trained professionals at your time and schedule.

Copyright EasyWay © Fall 2022

# SPRINT 3 BURNDOWN CHART



We committed to 15 story points and completed 24 story points.

# SPRINT 4

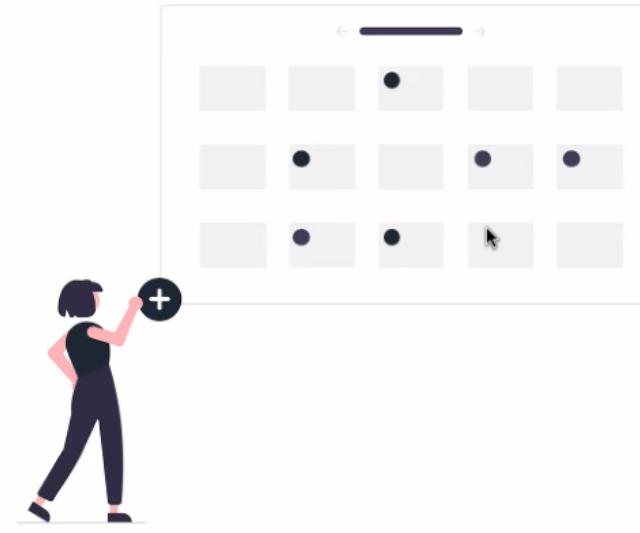
Issue Type	Key	Name	Story Points Estimate
Story	DCS-52	As a customer, I want a navigation bar to go between pages, log in and out, and search for specific events so that I may use the app more effectively.	3
Story	DCS-50	As a customer, I want to see the services booked by me so that I can track them.	5
Story	DCS-24	As a customer, I want to be able to cancel my booked service so that I can not expect the professional to reach my home.	5
Story	DCS-23	As a customer, I want to choose the date and time of service, so it is available at my convenience.	5
Task	DCS-26	Finish Technical Paper	8

- We created our web application navigation bar for quick access to some features.
- We created a Booking history page so that the customer can view their past and current booking and can also cancel if needed.
- We completed the MVP of the web application.
- We finished our technical paper.

# BOOKING PAGE

EasyWay

Home Book a Service My Bookings Profile Logout



AC Maintenance  
Price: \$80

Enter date for service  
12/19/2022

Enter time for service  
12:30 PM

Book

# BOOKING PAGE

EasyWay

[Home](#) [Book a Service](#) [My Bookings](#) [Profile](#) [Logout](#)

## My Bookings

### Active Bookings

#### Plumbing

Sanitary and household plumbing. No sewage service.

2022-02-15 12:30 to 13:30

[Cancel](#)

#### AC Maintanence

Any type of AC maintanence such as filter cleaning, part replacement, etc.

2022-02-15 16:30 to 17:30

[Cancel](#)

### Cancelled bookings

[Book a Service](#)

# CANCEL BOOKING

## Active Bookings

### AC Maintanence

Any type of AC maintanence such as filter cleaning, part replacement, etc.

2022-02-15 12:30 to 13:30

Cancel

## Cancelled bookings

### Plumbing

Sanitary and household plumbing. No sewage service.

2022-02-15 16:30 to 17:30



Book a Service

# NAVIGATION BAR

EasyWay

Home Book a Service My Bookings Profile Logout

## Services List



AC Maintenance

Any type of AC maintenance such as filter cleaning, part replacement, etc.

Book Now

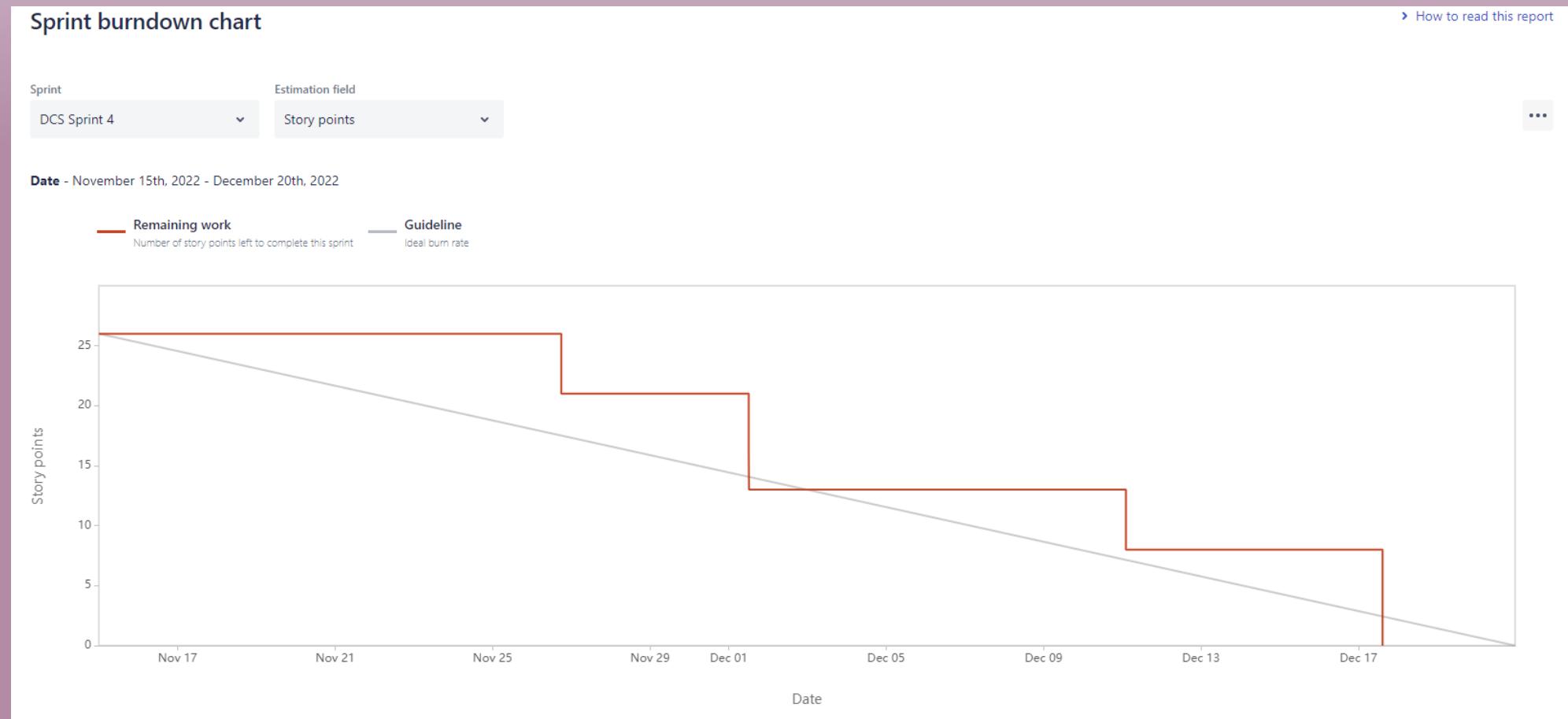


Plumbing

Sanitary and household plumbing. No sewage service.

Book Now

# SPRINT 4 BURNDOWN CHART



We committed to 26 story points and completed 26 story points.

# SPRINT 5-7 RECAP

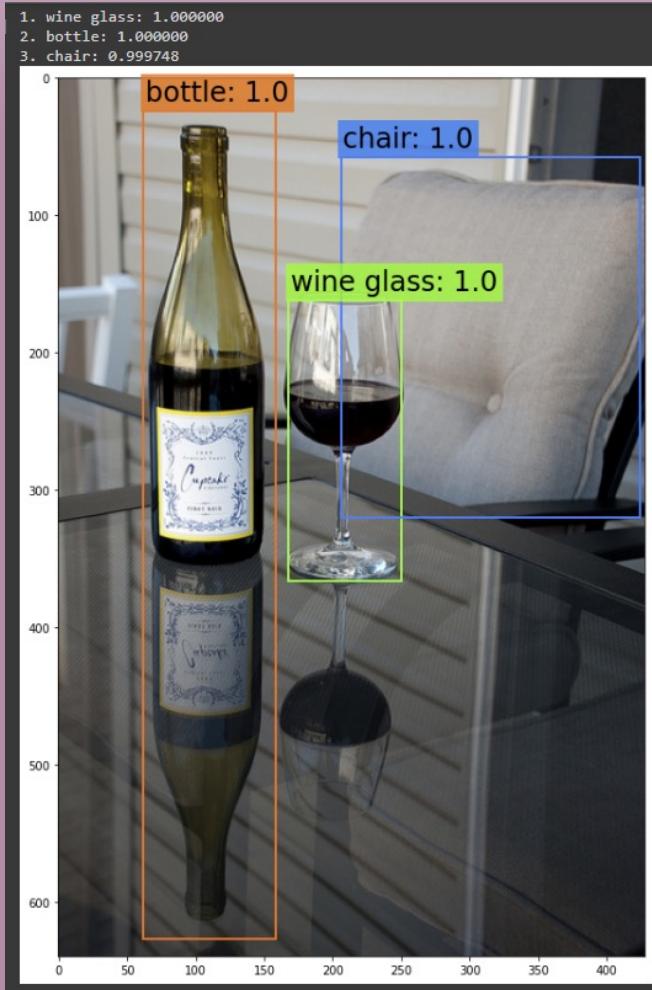


# SPRINT 5

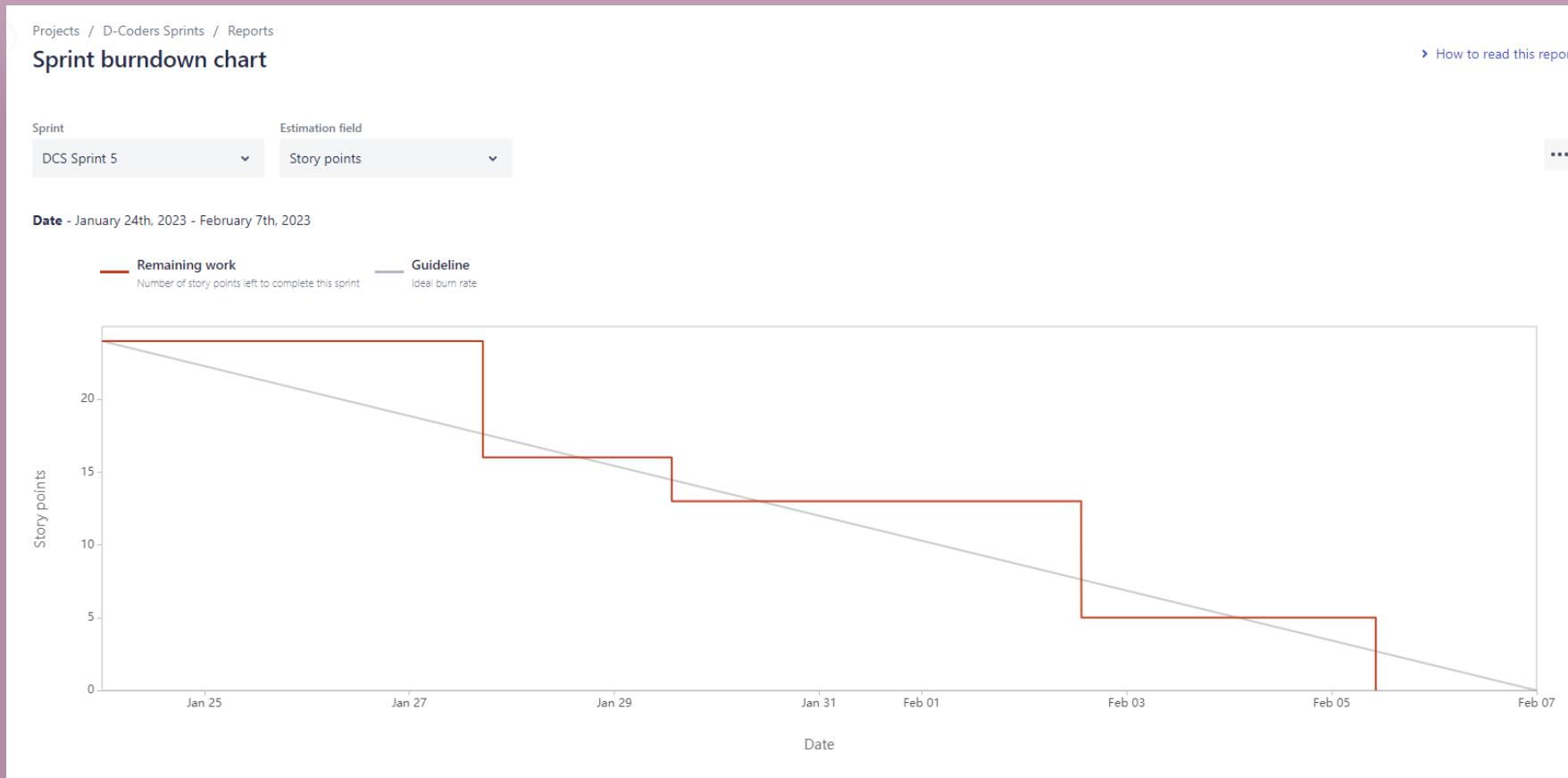
Issue Type	Key	Name	Story Points Estimate
Task	DCS-57	Research on image classification ML algorithms	8
Task	DCS-46	Designing an Object Detection Working Architecture Diagram	3
Task	DCS-44	Developing an initial Object Detection Algorithm.	3
Task	DCS-43	Installing Python v3, Numpy, cv2, matplotlib, torch, subprocess, os, time, argparse, time, and Tensorflow libraries in Backend.	5
Task	DCS-42	Designing an Object Detection Network Architecture Diagram	5

- We did research on various image classification Machine Learning Algorithms.
- We developed and designed the initial object detection algorithm and its Architecture diagram.
- We installed various Python libraries in the backend.

# OBJECT DETECTION MODEL



# SPRINT 5 BURNDOWN CHART



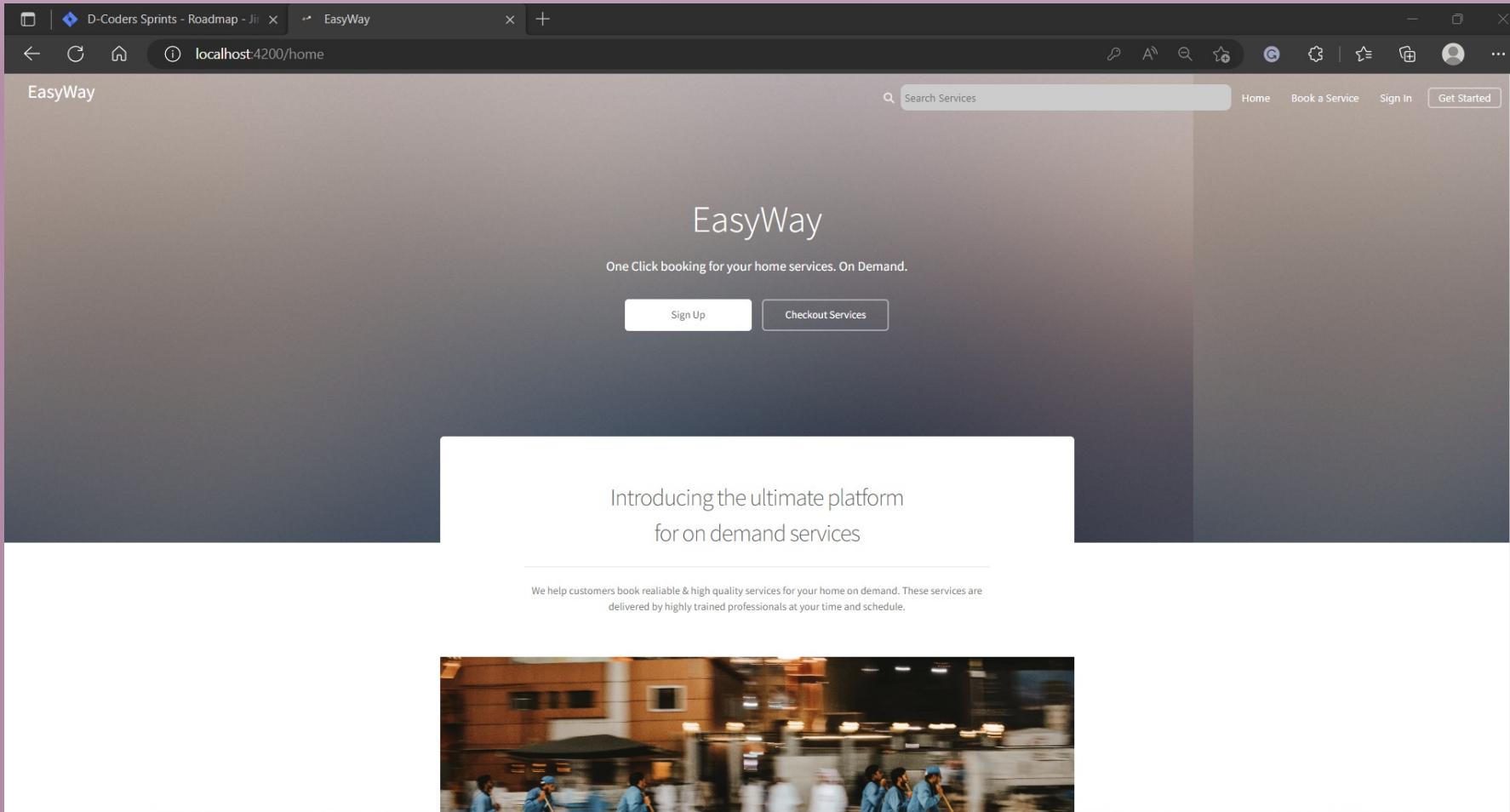
We committed to 24 story points and completed 24 story points.

# SPRINT 6

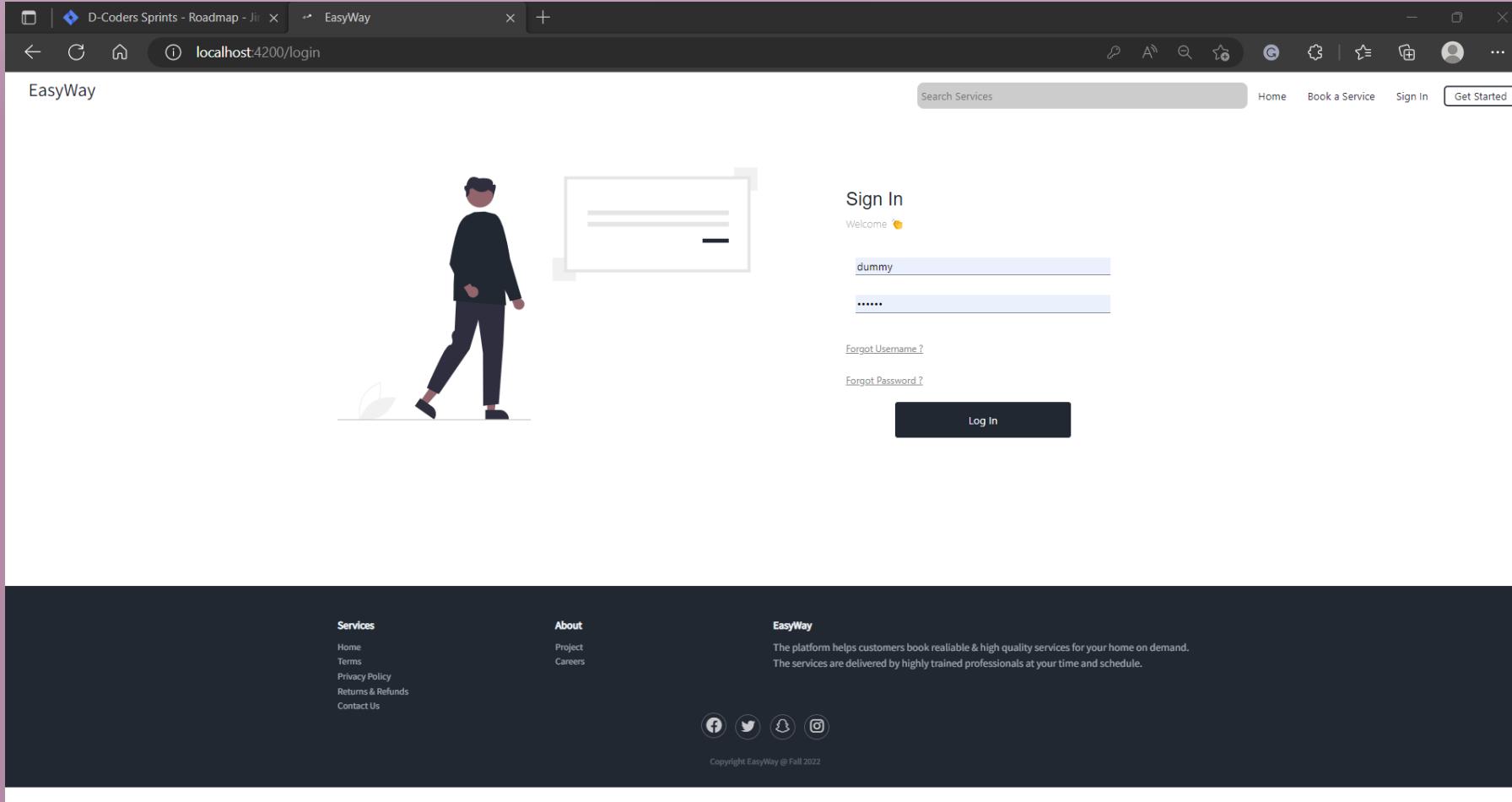
Issue Type	Key	Name	Story Points Estimate
Story	DCS-61	As a customer, I want to email customer service So that I can get my issue resolved	3
Story	DCS-62	As a customer I want to able to recover the passwords to my account So that I will be able to access my account in case i forgot password.	3
Story	DCS-63	As a customer I want to be able to recover my account customer ID/Name So that I will be able to access my account in case i forgot the account.	5
Story	DCS-64	As a customer, I want to able to search on the webpage, So that I can find necessary information	5
Task	DCS-65	Improving Object Detection Model Accuracy	8
Task	DCS-66	Update Tech Paper	2

- We created Email customer service for our customers so that we can resolve their issues as soon as possible.
- We created forgot Id and password so that it can be recovered using the token in case the customer forgets it.
- We also created the search bar for quick access to the desired service on our web application.
- We also improved our object detection model accuracy and updated the tech paper.

# SEARCH BAR



# LOGIN SCREEN



A screenshot of a web browser displaying the 'EasyWay' login page. The browser's address bar shows 'localhost:4200/login'. The main content area features a large illustration of a person walking towards a white rectangular service interface. To the right of the illustration is the 'Sign In' form. The form includes fields for 'dummy' (username) and '.....' (password), along with links for 'Forgot Username?' and 'Forgot Password?'. A 'Log In' button is at the bottom of the form. At the top of the page, there is a navigation bar with 'Home', 'Book a Service', 'Sign In', and a 'Get Started' button. Below the main content is a dark footer bar containing links for 'Services' (Home, Terms, Privacy Policy, Returns & Refunds, Contact Us), 'About' (Project, Careers), and 'EasyWay' (platform description). Social media icons for Facebook, Twitter, LinkedIn, and Instagram are also present in the footer.

D-Coders Sprints - Roadmap - Jira | EasyWay

localhost:4200/login

EasyWay

Search Services

Home Book a Service Sign In Get Started

Sign In

Welcome

dummy

.....

[Forgot Username?](#)

[Forgot Password?](#)

Log In

**Services**

- Home
- Terms
- Privacy Policy
- Returns & Refunds
- Contact Us

**About**

- Project
- Careers

**EasyWay**

The platform helps customers book reliable & high quality services for your home on demand.  
The services are delivered by highly trained professionals at your time and schedule.

Copyright EasyWay @ Fall 2022

# FORGOT PASSWORD

The screenshot shows a web browser window for the 'EasyWay' platform. The URL in the address bar is `localhost:4200/forgot-password`. The page features a large illustration of a person walking towards a large computer monitor displaying a password field. The text 'Forgot Password' is prominently displayed, followed by a sub-instruction: 'Password reset token will be shared on your registered Email'. Below this is a text input field labeled 'Email' and a 'Submit' button. A link 'Sign Up' is provided for new users. The footer contains links for 'Services' (Home, Terms, Privacy Policy, Returns & Refunds, Contact Us) and 'About' (Project, Careers). It also includes social media icons for Facebook, Twitter, LinkedIn, and Instagram. The footer notes 'Copyright EasyWay @ Fall 2022' and displays the Windows taskbar at the bottom.

D-Coders Sprints - Roadmap - Jira | EasyWay

localhost:4200/forgot-password

EasyWay

Search Services

Home Book a Service Sign In Get Started

Forgot Password

Password reset token will be shared on your registered Email

Email \_\_\_\_\_

Submit

For new registration, click on sign up below

Sign Up

Services

- Home
- Terms
- Privacy Policy
- Returns & Refunds
- Contact Us

About

- Project
- Careers

EasyWay

The platform helps customers book reliable & high quality services for your home on demand.  
The services are delivered by highly trained professionals at your time and schedule.

Copyright EasyWay @ Fall 2022

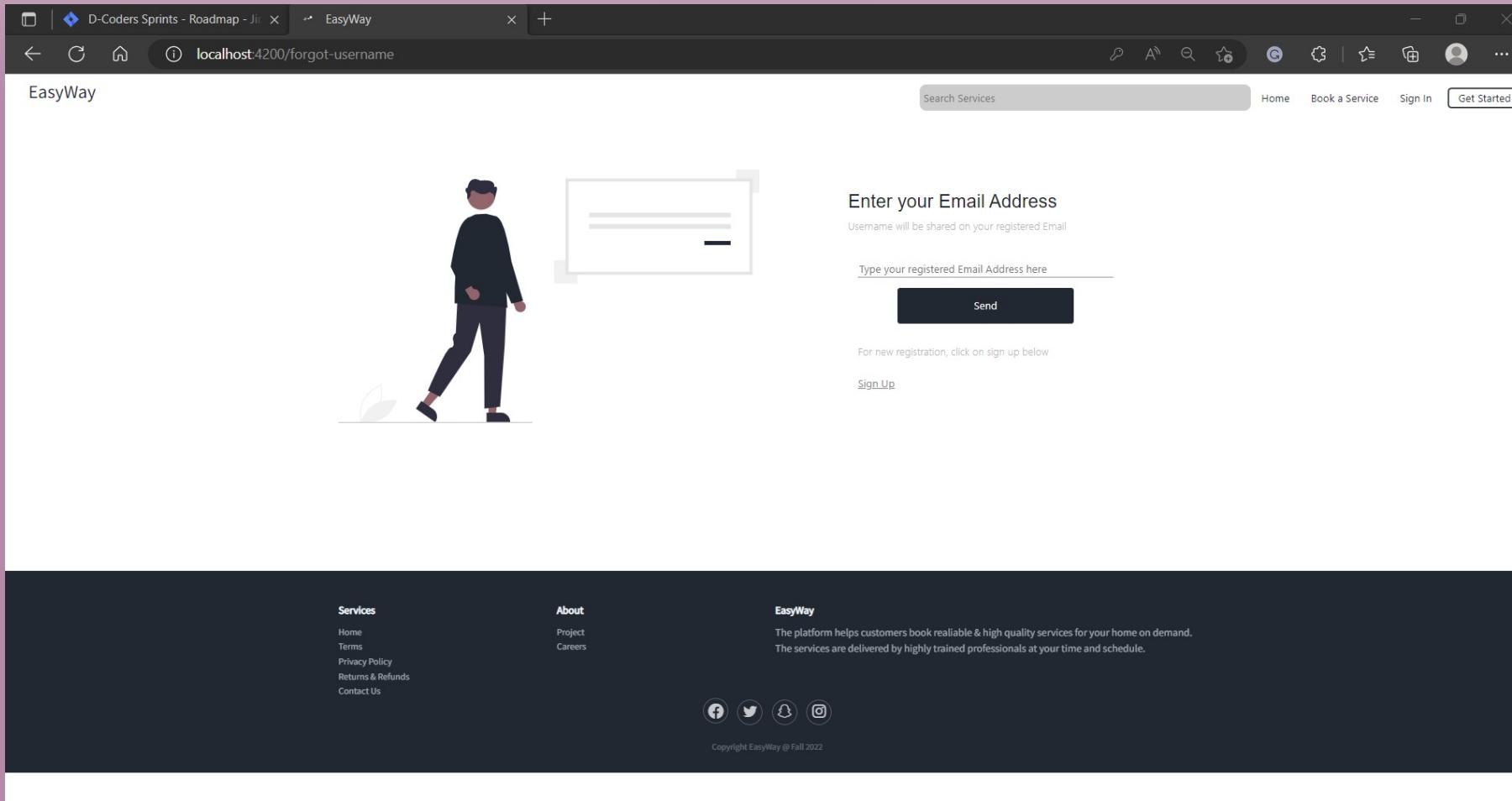
6°C Cloudy

Search

Cloudy

04:05 PM 3/4/2023

# FORGOT USERNAME



A screenshot of a web browser showing the 'Forgot Username' page of the EasyWay platform. The page has a light gray background with a dark header bar. The header includes the 'EasyWay' logo, a search bar labeled 'Search Services', and navigation links for 'Home', 'Book a Service', 'Sign In', and 'Get Started'. A large, stylized illustration of a person walking towards a white rectangular frame is on the left. On the right, there is a form for entering an email address, with a placeholder 'Type your registered Email Address here' and a 'Send' button. Below the form, a link 'For new registration, click on sign up below' and a 'Sign Up' button are visible. At the bottom of the page is a dark footer bar containing links for 'Services' (Home, Terms, Privacy Policy, Returns & Refunds, Contact Us), 'About' (Project, Careers), and 'EasyWay' (platform description). Social media icons for Facebook, Twitter, LinkedIn, and Instagram are also present.

localhost:4200/forgot-username

EasyWay

Search Services

Home Book a Service Sign In Get Started

Enter your Email Address

Username will be shared on your registered Email

Type your registered Email Address here

Send

For new registration, click on sign up below

Sign Up

**Services**

- Home
- Terms
- Privacy Policy
- Returns & Refunds
- Contact Us

**About**

- Project
- Careers

**EasyWay**

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Copyright EasyWay @ Fall 2022

# EMAIL CUSTOMER SERVICE

The image shows a Mac Mail application window on the right and a website on the left, illustrating how to contact customer service via email.

**Mail Application (Right):**

- To:** email@example.com
- Subject:** Mail from our Website
- From:** Kshitij Sharma – ks81104n@pace.edu

**Website (Left):**

**Header:** Practice, ksharma67/Leet..., Log in

**Section: Trained Professionals**

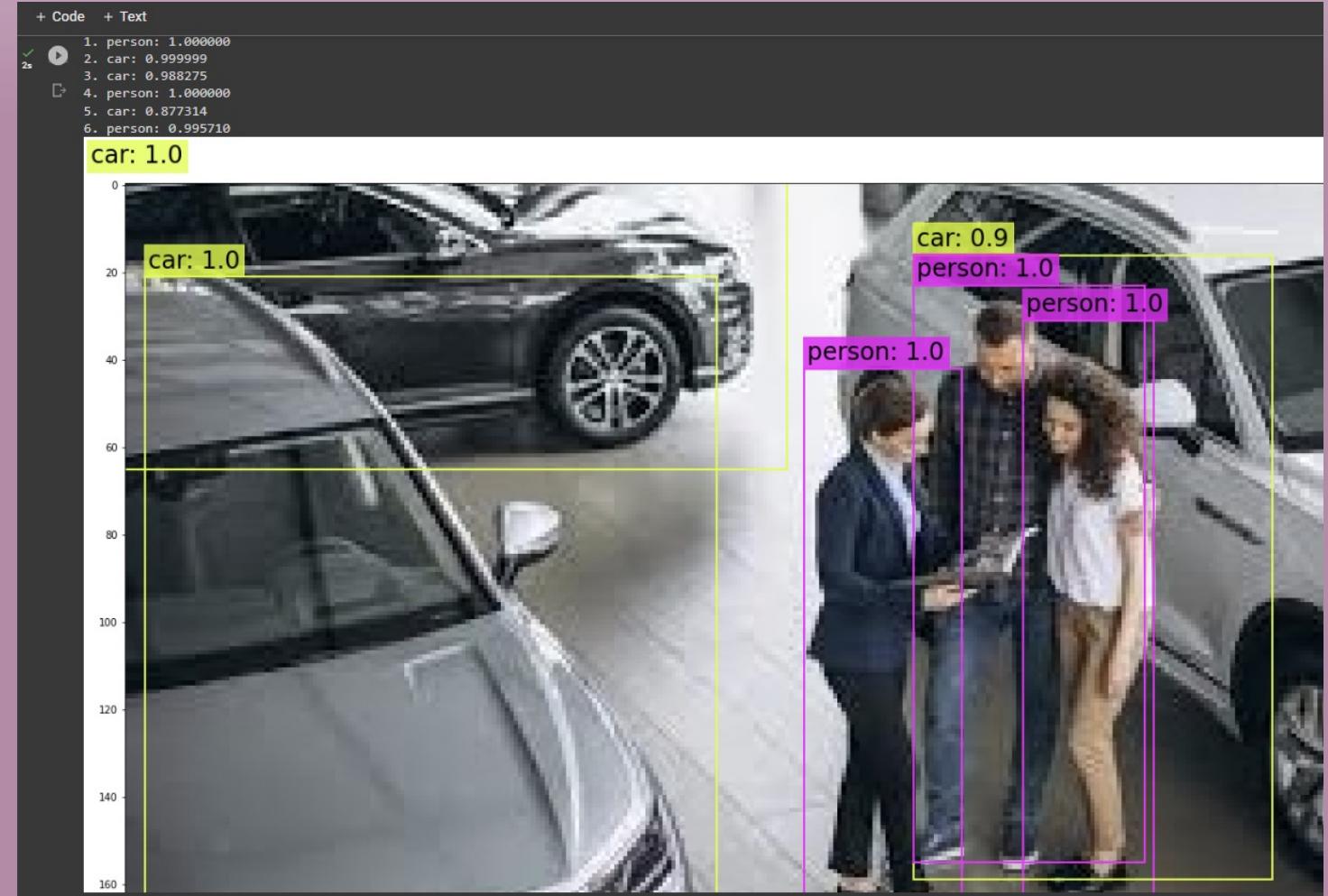
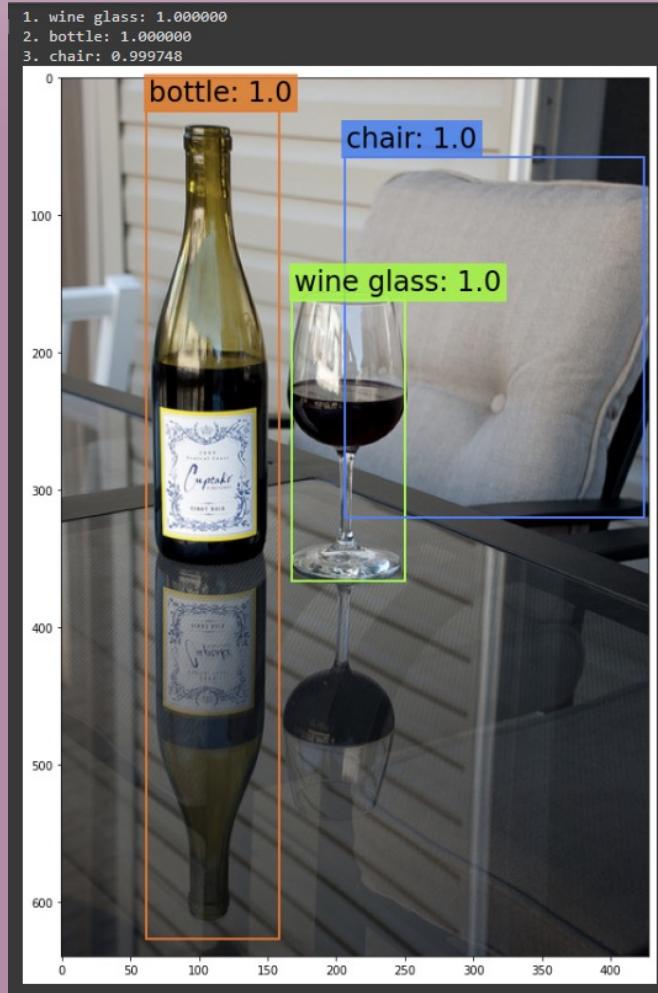
Our service personnel go through long training before they are approved to do your work. Whether its cleaning, plumbing, maintenance or grooming, our experts will handle it easily.

**Footer:**

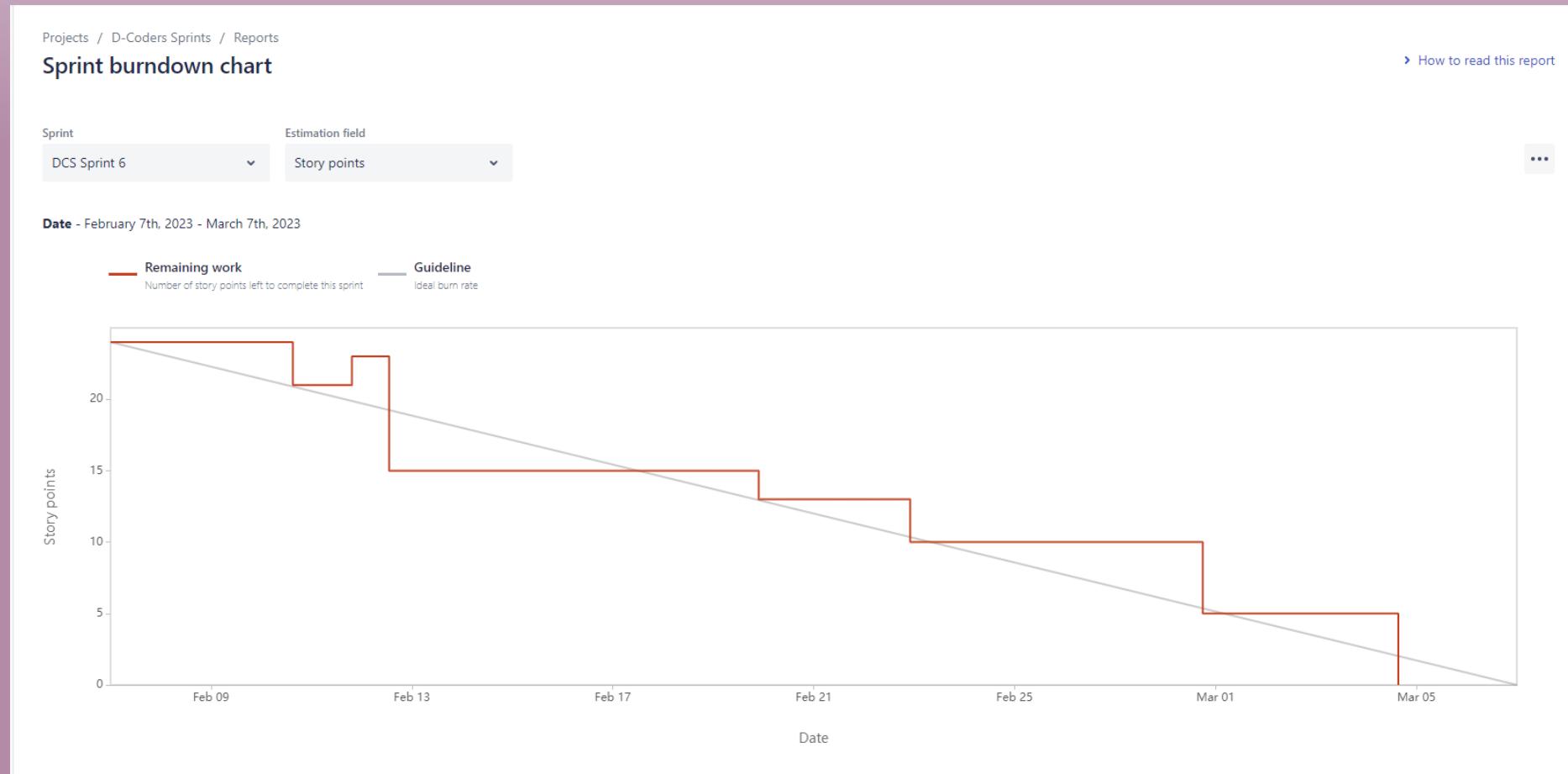
Services	About
<a href="#">Home</a>	<a href="#">Project</a>
<a href="#">Terms</a>	<a href="#">Careers</a>
<a href="#">Privacy Policy</a>	
<a href="#">Returns &amp; Refunds</a>	
<a href="#">Contact Us</a>	

[Facebook](#) [Twitter](#) [Copyright](#) [Gmail](#)

# OBJECT DETECTION MODEL



# SPRINT 6 BURNDOWN CHART



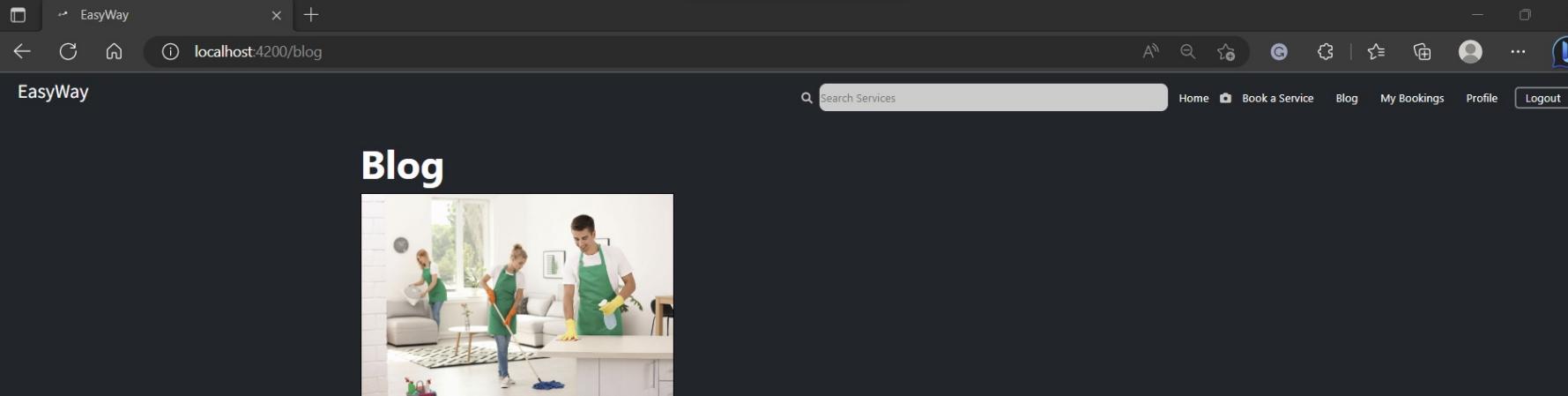
We committed to 24 story points and completed 26 story points.

# SPRINT 7

Issue Type	Key	Name	Story Points Estimate
Story	DCS-69	As a signed-in customer I want to be able to see blog post So that I can get more information about the services, and website/app.	5
Story	DCS-68	As a customer I want to be able to upload a picture So that I can be redirected or suggested to the relevant service page in the app.	8
Story	DCS-67	As a customer I want to access my order/service history So that I can find all the details(date, charges, technician) of my past services in one place.	5
Story	DCS-38	As a customer I want to be able to directly contact the technician via call/text So that I can have a better service	3
Story	DCS-35	As a customer, I want to be able to add multiple address So that I can use them to schedule a service for my office.	3

- We created the blog post service in our web application so that users can get more information.
- We created an upload picture feature that is connected to our Machine learning algorithm which will show you the relevant services related to the picture you uploaded.
- We created a contact directory so that the customers can contact the technician directly.
- We also created a multiple address feature so that the user booking checkout will be quick and easy.

# BLOG POST



## Blog



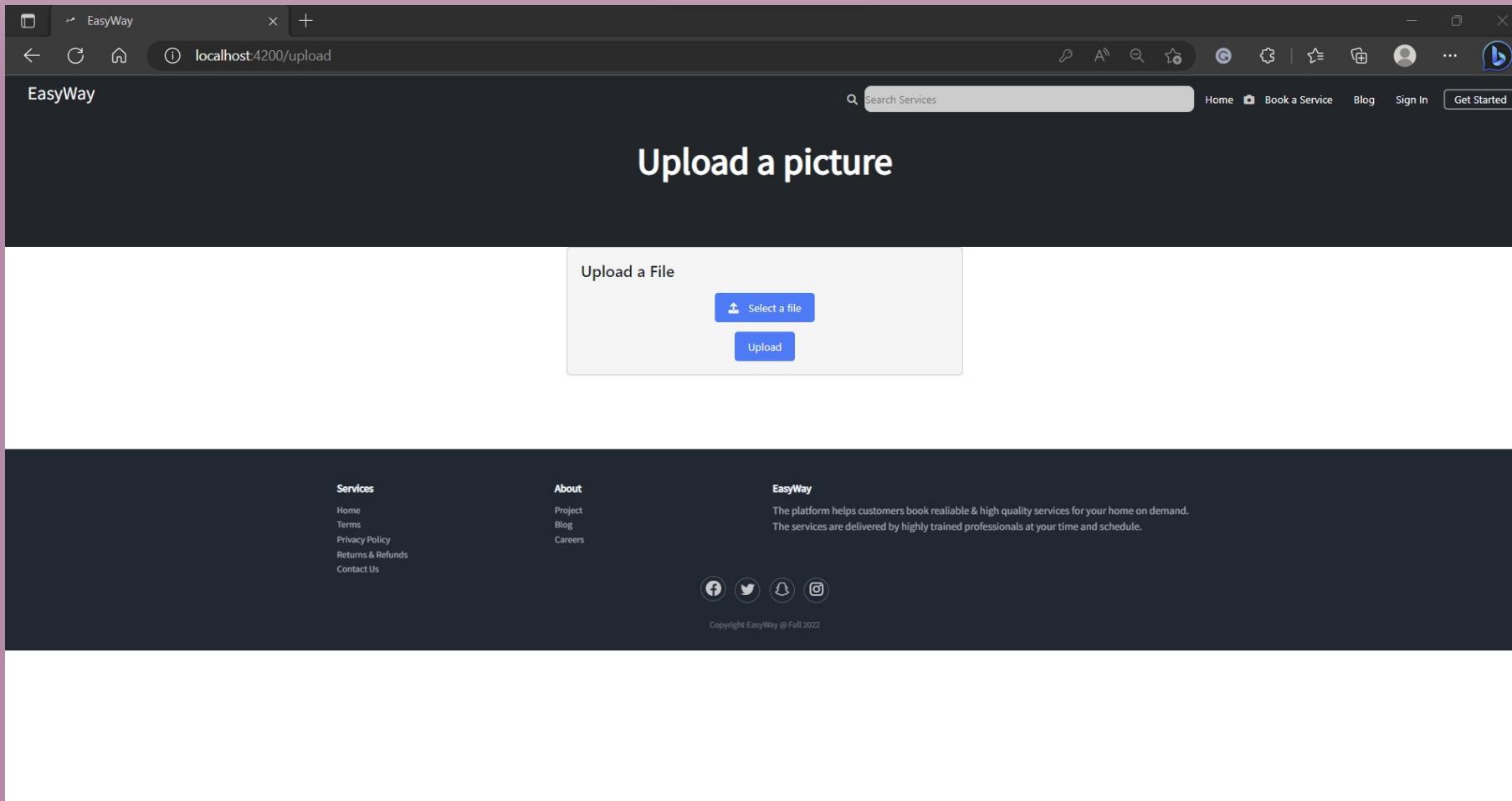
### Home Cleaning Hacks!

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like). It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).



### Refrigerator Cleaning Hacks!

# UPLOAD A PICTURE



# ORDER/HISTORY PAGE

EasyWay

Search Services

Home Book a Service Blog My Bookings Profile Logout

## My Bookings

Active Bookings

[ONGOING](#) [HISTORY](#)

**AC Maintanence**  
Any type of AC maintenance such as filter cleaning, part replacement, etc.  
2022-02-15 12:30 to 13:30  
[Cancel](#)

**Plumbing**  
Sanitary and household plumbing. No sewage service.  
2022-02-15 16:30 to 17:30  
[Cancel](#)

Cancelled bookings

[Book a Service](#)

**Services**  
Home  
Terms  
Privacy Policy  
Returns & Refunds  
Contact Us

**About**  
Project  
Blog  
Careers

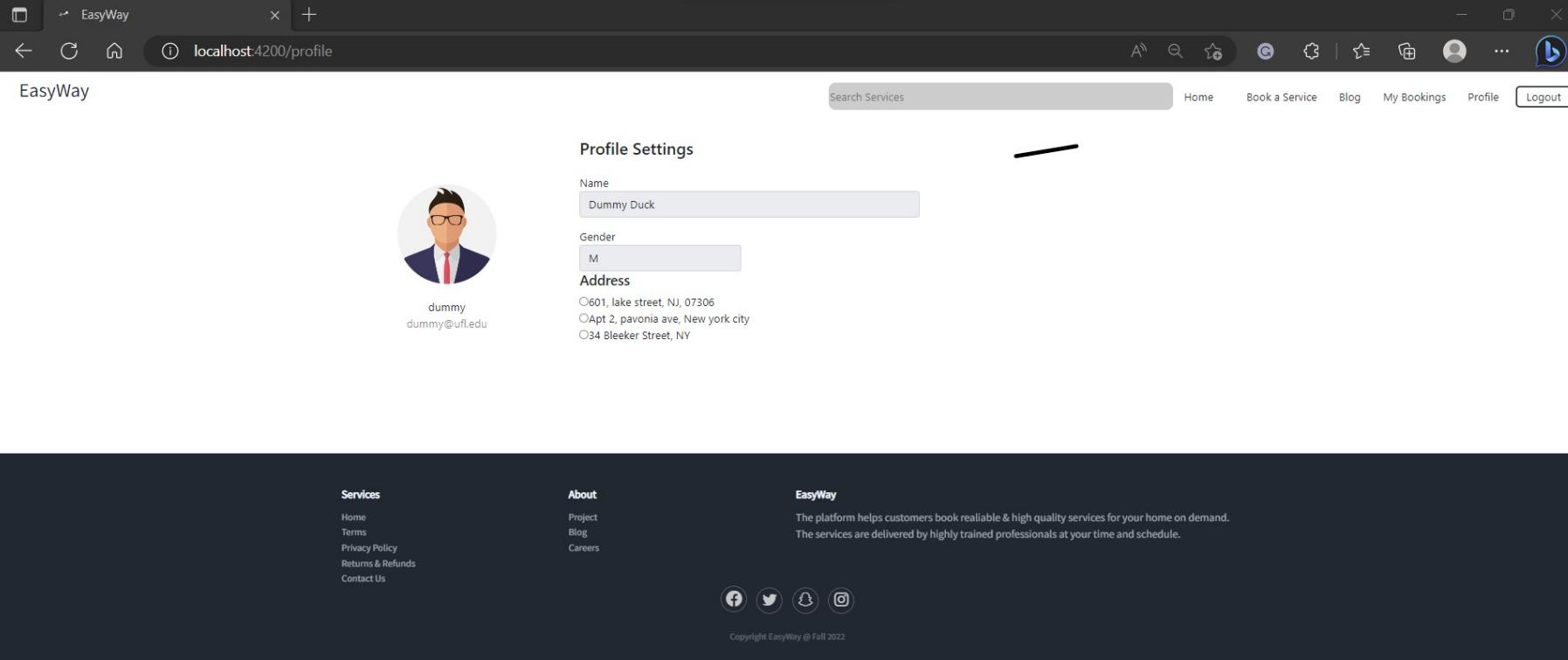
**EasyWay**  
The platform helps customers book reliable & high quality services for your home on demand.  
The services are delivered by highly trained professionals at your time and schedule.

[Facebook](#) [Twitter](#) [Instagram](#) [LinkedIn](#)

# DIRECTLY CONTACT THE TECHNICIAN

	A	B	C	D
1	Name	Mobile	City	Category
2	Charlotte Hood	(295) 456-6041	Lexington	Plumbing
3	Jordan Noel	(350) 233-6258	Nashville	Washing Machine Repair
4	Kylee Adams	(830) 473-6534	Naperville	AC Repair
5	Shoshana Robinson	(858) 881-3295	Fort Smith	Internet Repair
6	Cassandra Ashley	(439) 715-8375	Gaithersburg	Carpentry
7	Isadora Guthrie	(216) 431-4426	Lexington	House Keeping
8	Michelle Jennings	(687) 552-1625	Lawton	Handy Guy
9	Zena Booker	(553) 311-5036	Norman	Cleaning
10	Valentine Gomez	(899) 543-0856	North Las Vegas	Internet Repair
11	Kimberly Ellison	(232) 390-3582	South Bend	Internet Repair
12	Preston Parrish	(333) 693-7389	Bellevue	Handy Guy
13	Ivor Nicholson	(832) 104-0787	Rockville	Dish Washer Repair
14	Portia Cohen	(227) 817-8719	Flint	Washing Machine Repair
15	Haviva Burgess	(821) 823-8372	Boston	Internet Repair
16	Selma Ferrell	(933) 821-4593	Gary	Dog Walk
17	Oliver Cooke	(358) 503-4216	Bear	Internet Repair
18	Roanna Roy	(124) 437-1756	Great Falls	Plumbing
19	Phelan Peters	(374) 676-5364	Gaithersburg	Electrical Work
20	Halla Weaver	(513) 880-0461	Allentown	Handy Guy
21	Jorden Goodwin	(333) 740-1349	Aurora	Handy Guy
22	Penelope Sloan	(835) 726-6246	Virginia Beach	Carpentry
23	Tyler Avila	(272) 520-5186	Kapolei	Cleaning
24	Igor Wyatt	(770) 406-9715	Provo	Carpentry
25	Marcia Haley	(752) 853-7809	Reno	Dog Walk
26	Zane Allen	(462) 247-2771	North Las Vegas	Carpentry

# MULTIPLE ADDRESSES

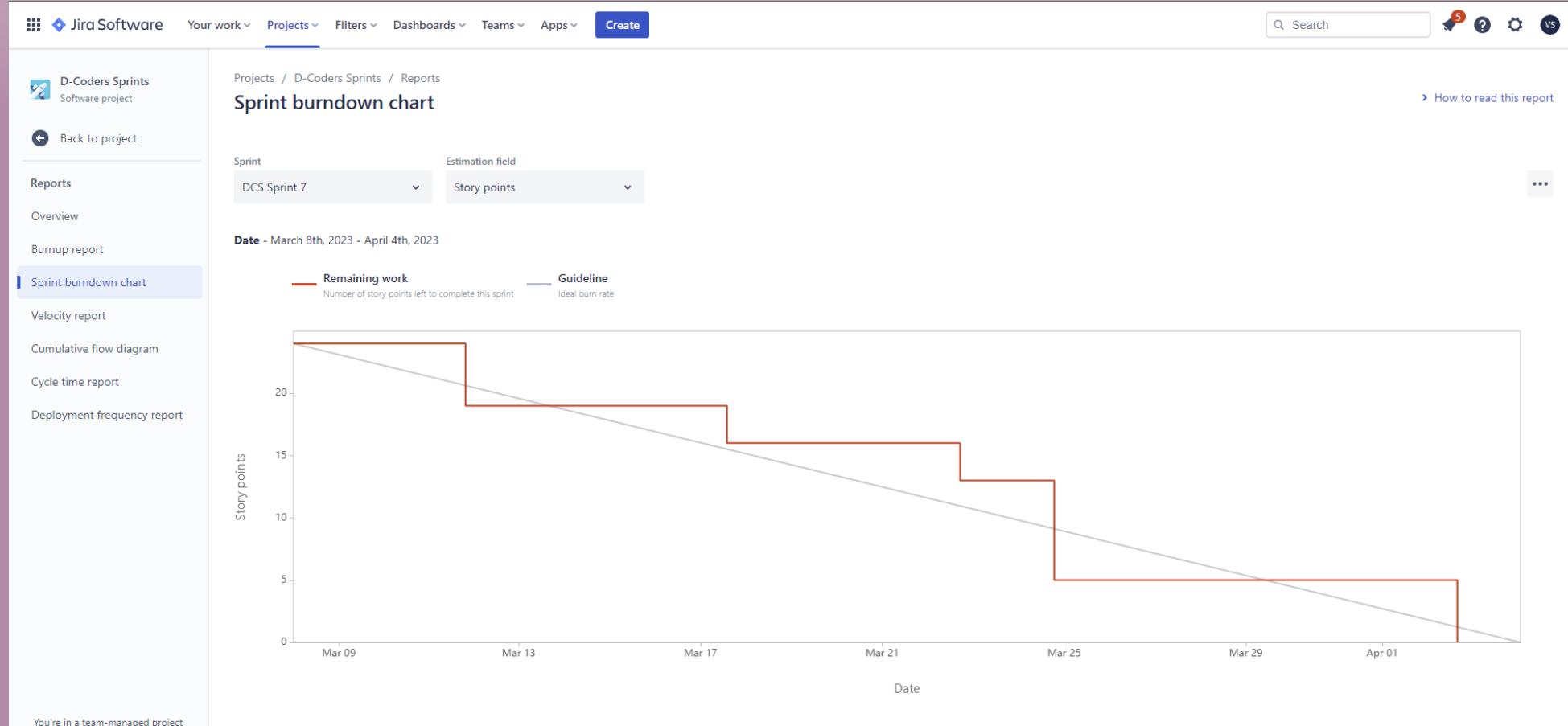


The screenshot shows a web browser window for the 'EasyWay' platform, specifically the profile settings page at [localhost:4200/profile](http://localhost:4200/profile). The page has a dark header bar with the 'EasyWay' logo and navigation links for Home, Book a Service, Blog, My Bookings, Profile, and Logout.

The main content area is titled 'Profile Settings'. It includes a user profile picture of a person with glasses and a suit, labeled 'dummy' and 'dummy@ufi.edu'. Below the profile picture, there is a 'Name' field containing 'Dummy Duck', a 'Gender' field containing 'M', and a 'Address' section with three radio button options: '601, lake street, NJ, 07306', 'Apt 2, pavonia ave, New York city', and '34 Bleeker Street, NY'.

The footer of the page contains links for Services (Home, Terms, Privacy Policy, Returns & Refunds, Contact Us), About (Project, Blog, Careers), and the 'EasyWay' brand information, which states: 'The platform helps customers book reliable & high quality services for your home on demand. The services are delivered by highly trained professionals at your time and schedule.' It also features social media icons for Facebook, Twitter, LinkedIn, and Instagram, and a copyright notice: 'Copyright EasyWay @ Fall 2022'.

# SPRINT 7 BURNDOWN CHART



We committed to 24 story points and completed 24 story points.

# IMPROVEMENTS MADE FROM PROFESSOR FEEDBACK FROM SPRINT 1-7

- Changing the Personas.
- Rewriting the Sprint Schedule.
- Acceptance Criteria should be renamed to User Stories in Excel
- Test cases Id should be replaced with User story Id.
- Retrospective should be improved.
- Add ER database diagram.
- In the burndown chart use story points instead of issue count.
- Mention the story points on bars in the Velocity Chart (Average).
- Change ‘Installation Manual’ to ‘Deployment Manual’.

# SPRINT 8 BACKLOG

Issue Type	Key	Name	Story Points Estimate
Story	DCS-32	As a signed-in customer I want to be able to comment on a blog post So that I can get feedback on issues	4
Task	DCS-74	Updating API Documentation	5
Task	DCS-73	Smoke Testing	4
Task	DCS-72	Integration Testing	2
Task	DCS-71	Improving Back End and Adding comments in the code base	4
Task	DCS-70	Improving Front End	4

# STORIES AND ACCEPTANCE CRITERIA

User Story ID	Summary
DCS-32	<p><b>As</b> a signed-in customer <b>I want</b> to be able to comment on a blog post <b>So that</b> I can get feedback on issues</p> <p><b>Scenario:</b> Customer wants to comment on a blog post “<b>Given</b> I’m in the role of customer <b>When</b> I open the blog page <b>Then</b> the system should allow me to comment on the blog.</p>

# TEST CASES

User Story ID	Unit to test	Assumptions	Test data	Steps to be executed	Expected Results
DCS - 12	Login	Login should be successful	Email - test@easyway.com, Password - test123	Homepage -> Login	Check results on entering valid User Id & Password
DCS - 12	Login	It should show an error as "Invalid Username or Password"	Email - test@easyway.com, Password - test	Homepage -> Login	Check results on entering Invalid User ID & Password
DCS - 12	Login	It should show an error as "Invalid Username or Password"	Email - easy@easyway.com, Password - test	Homepage -> Login	Check response when a User ID is Empty & Login Button is pressed
DCS - 13	Sign Up	Sign Up should be successful	Email - any, Password - anything in between 8 to 16 char	Homepage -> Sign Up	Check results on entering valid User Id & Password
DCS - 13	Sign Up	It should show an error as "Username already in use"	Email - test@easyway.com, Password - test123	Homepage -> Sign Up	Check results on entering Already in Used User ID
DCS - 13	Sign Up	It should show an error as "Enter the Password with given parameters"	Email - test@easyway.com, Password - test	Homepage -> Sign Up	Check response when a Password is containing all the given parameters
DCS - 49	Profile	Profile creation should be successful	Email - test@easyway.com, Password - test	Homepage-> Login-> Profile	Check all the details filled with valid zip codes and phone numbers.
DCS - 49	Profile	Show an error with missing fields	Email - , Password - test	Homepage-> Login-> Profile	Check to missing/mandatory fields*
DCS - 18	Homepage	Services should be categorize and listed	localhost:4000/services	Homepage	Check if the categories are correct
DCS - 48	Services	Display service catalog	db.getCollection("catalog").find({});	MongoDB -> use Easyway	
DCS - 51	Professionals	Display list of professional	db.getCollection("professional").find({});	MongoDB -> use Easyway	
DCS - 49	Customer	Insert a customer	db.customer.insert({name:"customerName",customerEmail:customer@test.com, customerPassword:12345678, customerPassword2:12345678})	MongoDB -> use Easyway	Create a new user in customer database
DCS - 49	Customer	Display all the customers	db.getCollection("customers").find({});	MongoDB -> use Easyway	
DCS - 18	Homepage	Customers should be able to access the homepage	localhost:8080	Homepage	Once directed with url, you will be first redirected to homepage.
DCS - 0	Dummy Data	Display all collections	show collections	MongoDB -> use Easyway	All tables should be listed
DCS - 43	Forgot password	Should direct to the email to reset the password		Homepage-> Login -> Forgot Password	Password Reset and directed to login page again
DCS - 61	Customer Care	Should redirect to test@easyway.com with a subject	Clicking on Contact US	Homepage-> Footer -> Contact Us	Redirected to my email with mailto: test@easyway.com with a subject Test.
DCS - 62	Forgot password	Should direct to the email to reset the password	Email - test@easyway.com, Token -> 1234	Homepage-> Login -> Forgot Password	Not Authenticated
DCS - 62	Forgot password	Should direct to the email to reset the password	Email - test1@easyway.com, Token -> The token that we got on email	Homepage-> Login -> Forgot Password	Email Not Found
DCS - 62	Forgot password	Should direct to the email to reset the password	Email - test1@easyway.com, Token -> 1234	Homepage-> Login -> Forgot Password	Email Not Found
DCS - 63	Forgot username	Should direct to the email to send the username	Email - test@easyway.com	Homepage-> Login -> Forgot Username	Username sent on your email
DCS - 63	Forgot username	Should direct to the email to send the username	Email - test1@easyway.com	Homepage-> Login -> Forgot Username	Email Not Found
DCS - 64	Search	Should be able to search for services	AC	Homepage-> Search	AC service found
DCS - 64	Search	Should be able to search for services	Z	Homepage-> Search	No Result

# TEST CASES

User Story ID	Unit to test	Assumptions	Test data	Steps to be executed	Expected Results
DCS - 24	Homepage	Customer should be able to search the desired services on search box		Homepage-> Search box	Homepage must provide the search box for user to search for desired services.
DCS	Chatbot	Customer can interact and receive a response.		Homepage-> Login-> Book an Appointment-> Chat	One the chat started both customers and professional can chat in it.
DCS	Chatbot	Customer should be able to book appointment just by interaction and chatting with the chatbot		Homepage-> Chatbot	Homepage must provide the chatbot to clear all queries
DCS	Homepage	History displayed in search field should be relevant to logged in user only		Homepage-> Search box	Search box on Homepage must display relevant information previously searched by the user.
DCS	Service Page	Services should have filter option based on reviews and time arrive		Homepage ->Services -> Filter	Check if the results after correctly filtered
DCS - 35	Customer	Customer should be able to add multiple addresses.	XYZ ABC	Homepage -> Login -> Profile ->Address	Must see multiple addresses on the address page of the customer.
DCS - 35	Customer	Customer should be able to add multiple addresses.		Homepage -> Login -> Profile ->Address	Error
DCS - 32	Customer	Customer should be able to comment on a blog post.			

# CYPRESS TESTING

The screenshot shows a Visual Studio Code interface with the following details:

- File Path:** blog.component.html - code - Visual Studio Code
- Explorer View:** Shows a project structure with folders like .github, client, .angular, .vscode, custom-e2e, specs, steps, protractor.conf.js, README.md, cypress, node\_modules, and src. The src folder contains app, common, components, and blog.
- Code Editor:** Displays the content of blog.component.html. The code is an Angular component template with HTML, CSS, and JavaScript logic for displaying a blog post and adding comments.
- Terminal:** Shows the command line interface with the following text:

```
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\sawan\Documents\GitHub\code>
```
- Bottom Status Bar:** Shows a gear icon with a '1' and a 'GO' button.

# CUCUMBER TESTING

A screenshot of Visual Studio Code (VS Code) interface. The title bar shows "blog.component.html - code - Visual Studio Code". The left sidebar (EXPLORER) displays a file tree with project structure. The main editor area shows a portion of the "blog.component.html" file, which contains Angular template code. The bottom right corner of the editor shows a preview of the rendered HTML page. The bottom navigation bar includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and COMMENTS. The TERMINAL tab is active, showing the command line output: "Microsoft Windows [Version 10.0.22621.1555] (c) Microsoft Corporation. All rights reserved." and the path "C:\Users\sawan\Documents\GitHub\code>". A small terminal window is open in the bottom right corner with the command "cmd".

```
<h1>{{ blog.title }}</h1>
<span class="image featured"><img class="image-padding" [src]="imageUrl + blog.image_name" alt="" width="300"/></span>
<p>{{ blog.content }}</p>
<button class="btn btn-primary" (click)="loadComments(blog.id)">Load comments</button>
<ul *ngIf="selectedBlogId === blog.id" class="mt-3">
  <li *ngFor="let comment of comments" class="mb-3">
    <p>{{ comment.content }}</p>
    <p>{{ comment.created_at }}</p>
  </li>
</ul>
<form (submit)="addComment(commentForm)" #commentForm="ngForm" class="mb-4">
  <h4>Add Comment</h4>
  <div class="form-group">
    <label for="content">Comment</label>
    <textarea class="form-control" name="content" id="content" rows="3" required [(ngModel)]="commentContent!"></textarea>
  </div>
  <button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
</div>
</li>
</ul>
```

# STORIES/TASK COMPLETED AND NOT COMPLETED

Issue Type	Key	Name	Status
Story	DCS-32	As a signed-in customer I want to be able to comment on a blog post So that I can get feedback on issues	Done
Task	DCS-74	Updating API Documentation	Done
Task	DCS-73	Smoke Testing	Done
Task	DCS-72	Integration Testing	Done
Task	DCS-71	Improving Back End and Adding comments in the code base	Done
Task	DCS-70	Improving Front End	Done

# METRICS

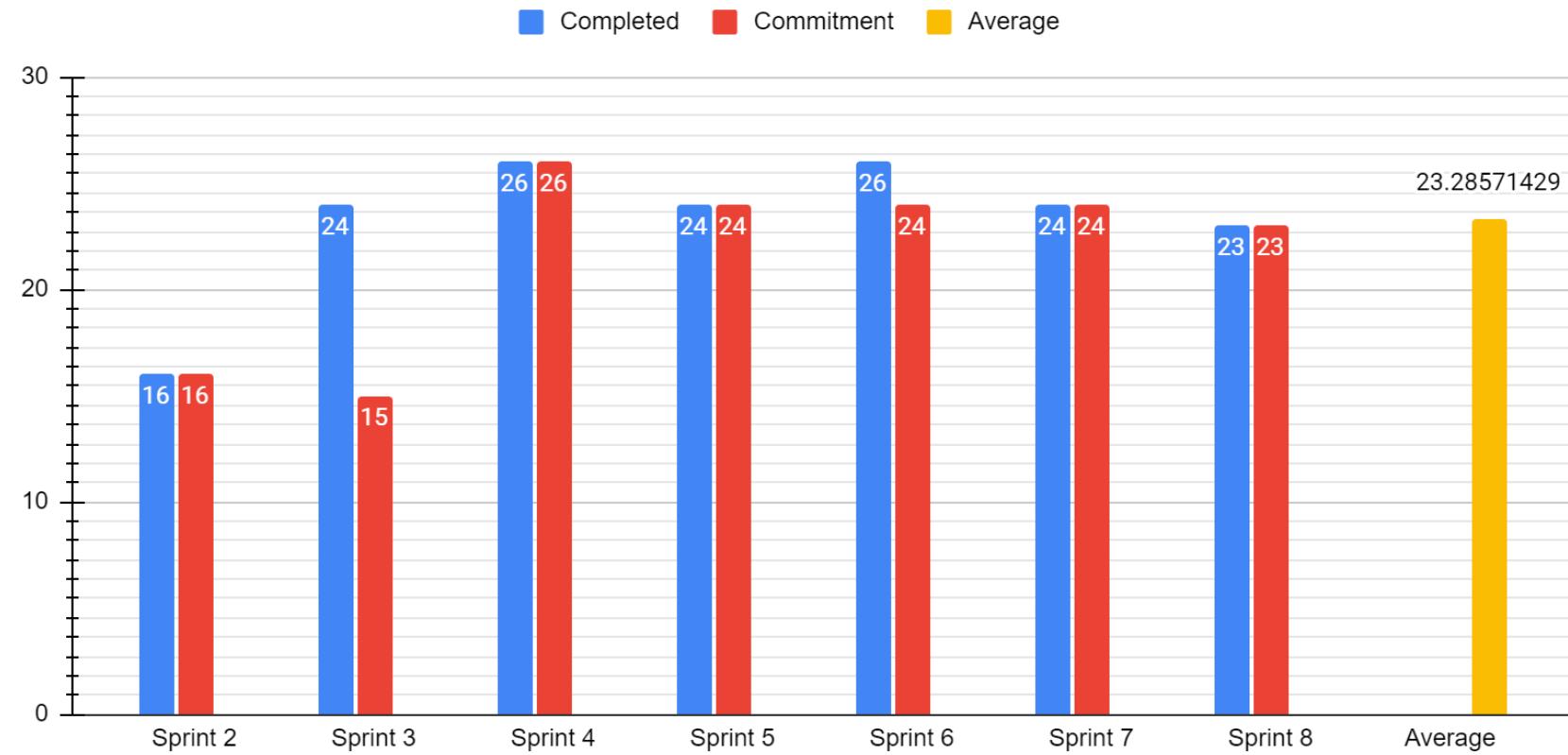


# TEAM VELOCITY CHART

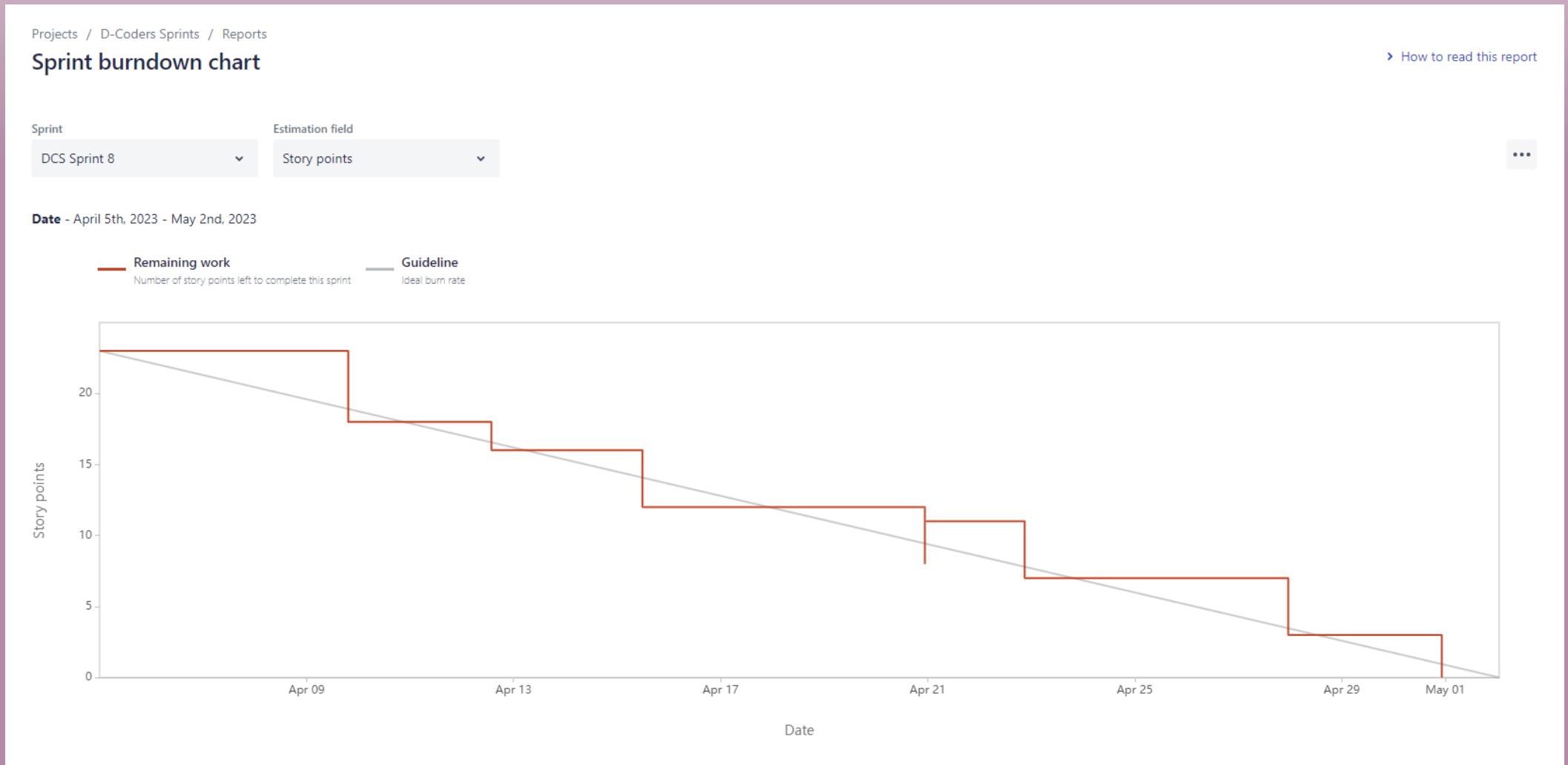


# TEAM HISTORY VELOCITY

Sprint 2, Sprint 3, Sprint 4, Sprint 5, Sprint 6, Sprint 7, Sprint 8 and Average Velocity

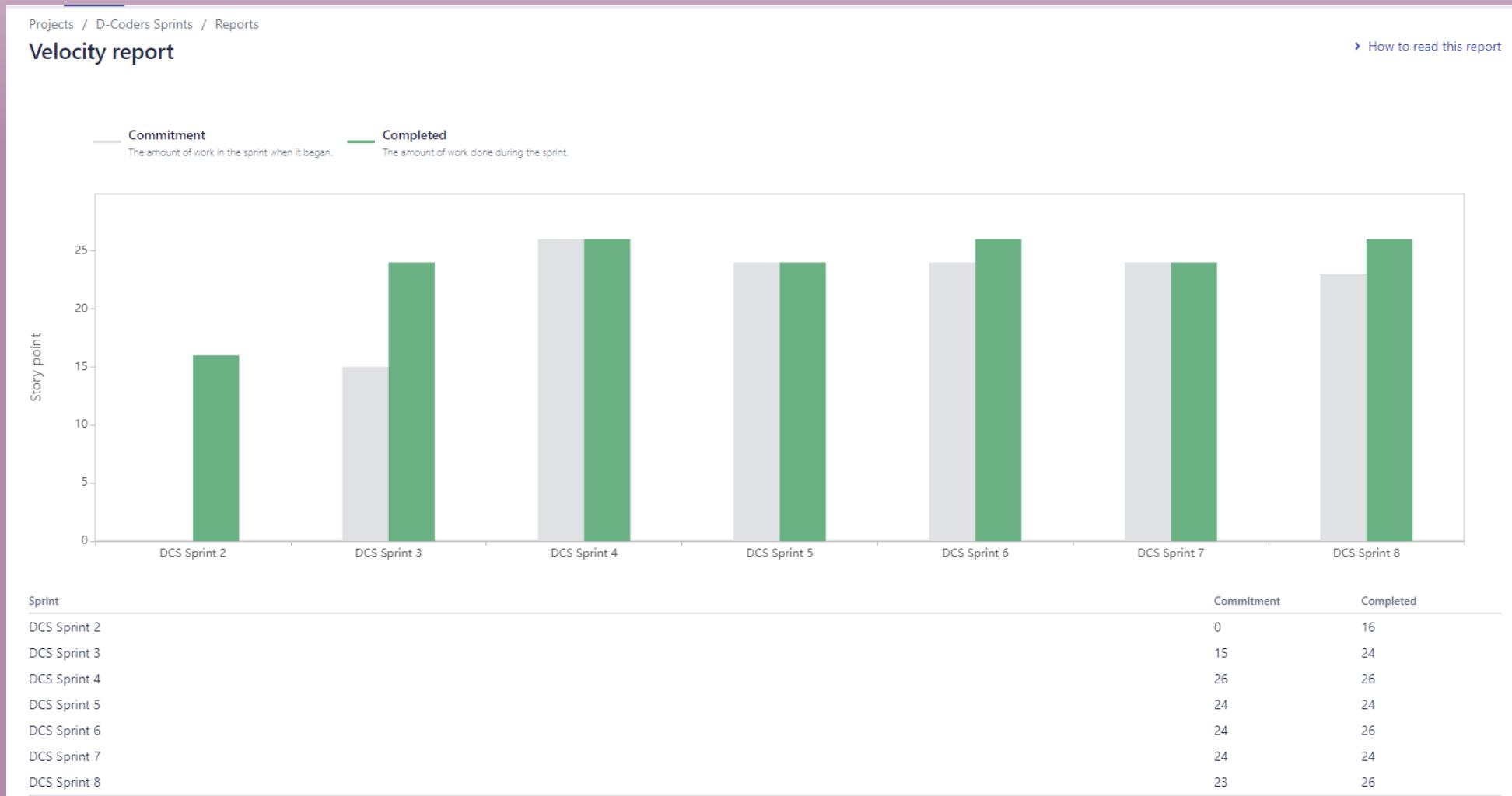


# BURNDOWN CHARTS



We committed to 23 story points and completed 26 story points.

# COMPLETED/COMMITTED RATIO



# RETROSPECTIVE



# WHAT WENT WELL

- The team had a good time working together.
- The collaboration was great in our paired coding sessions.
- We shipped on time with no bugs reported.
- We had a clear objective for the project from the beginning, which helped to focus your efforts and stay on track.
- We did effective planning before starting the project, which helped you to break down the project into manageable tasks and set realistic timelines.
- We tried to maintain good communication within ourselves throughout the project, which helped to ensure that everyone was on the same page and that any issues were resolved quickly.
- We were able to come up with creative solutions to any problems that arose during the project, which helped to keep the project moving forward smoothly.
- We had a lot of work to do in a short amount of time, but we were able to stay organized and get it done. One thing we did well was prioritize brainstorming sessions to come up with user stories.

# WHAT NEEDS IMPROVEMENT

- There were times when we weren't all on the same page, which caused delays and confusion.
- Some team members lacked domain knowledge, which made it challenging to make informed decisions and led to a few missteps along the way.
- The project involved working with new technologies and tools, which resulted in technical difficulties for some team members.
- Some important User stories were brainstormed at the end of the sprint.
- The feedback workflow between the team experienced trouble and had to wait a long time to review some topics.

# NEXT STEPS

- We can also provide training or resources to address any knowledge gaps and ensure everyone is on the same page.
- Iteratively updating the status of the work assigned.
- To improve user engagement, we can conduct public surveys to understand people's needs and expectations.
- We can also use analytics tools on the surveys taken to track user behavior and identify areas that need improvement.

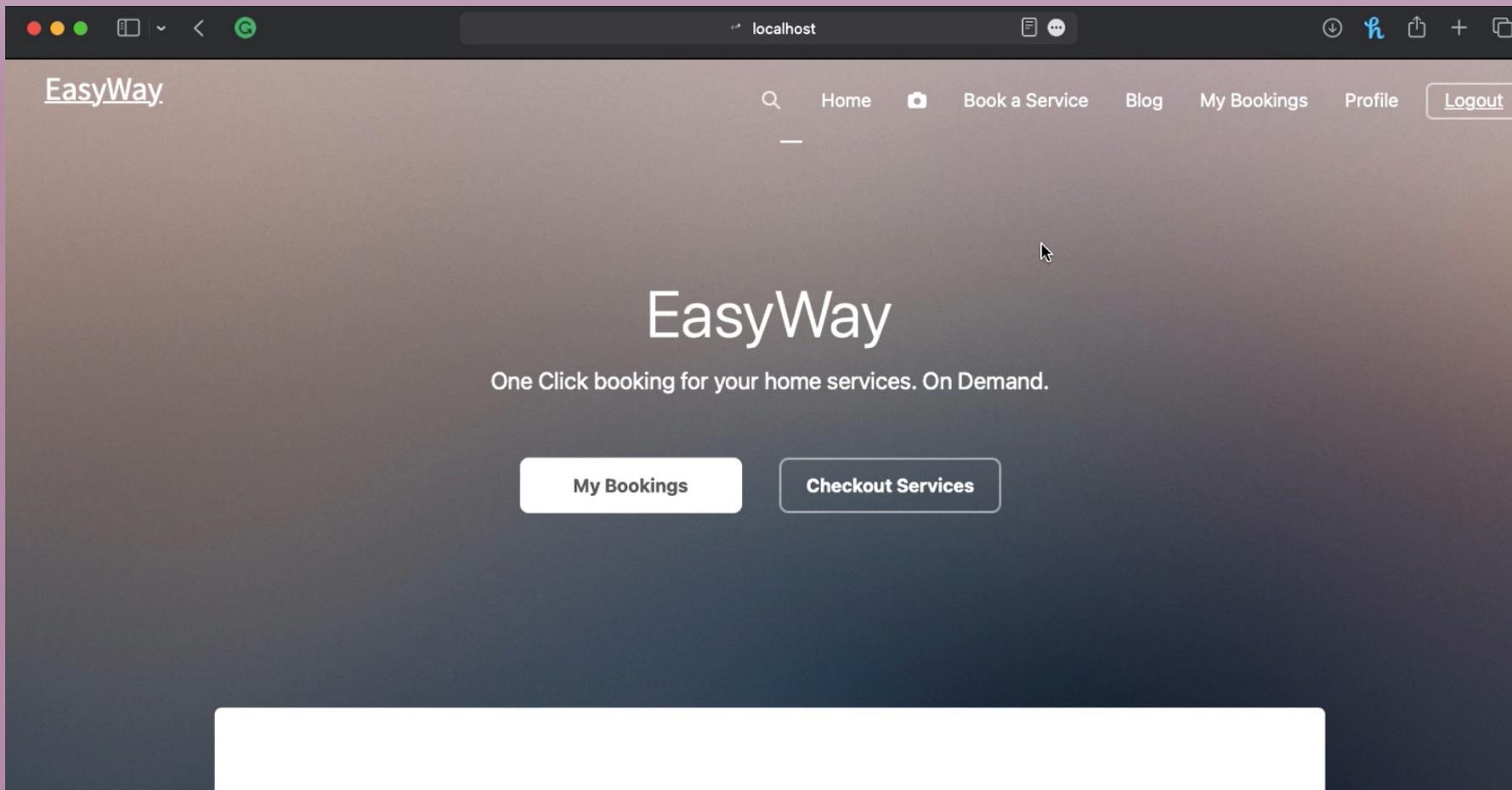
# PROJECT DEMO



# SLIDE APP SCREENSHOT



# Homepage



# BLOG POST

The screenshot shows a dark-themed web application window titled "localhost". At the top, there's a navigation bar with links for "Home", "Book a Service", "Blog", "My Bookings", "Profile", and "Logout". Below the navigation bar, the word "Blog" is centered in large white text. Underneath, a blog post is displayed with the title "Why On-Demand Services are the Future of Convenience". The post features a photograph of a man in a green apron smiling while working in a kitchen, with two women visible in the background. The overall design is clean and modern.

The screenshot shows the same "localhost" web application window, now focusing on the comments section of the blog post. The main content area contains a paragraph about the convenience of on-demand services. Below this, there's a "Load comments" button followed by a list of two comments. The first comment is timestamped "2023-04-25 09:30" and says "Great article, very informative!". The second comment is timestamped "2023-04-25 10:15" and says "I totally agree, on-demand services are the way to go!". At the bottom, there's a form for adding a new comment with a "Comment" input field and a "Submit" button.

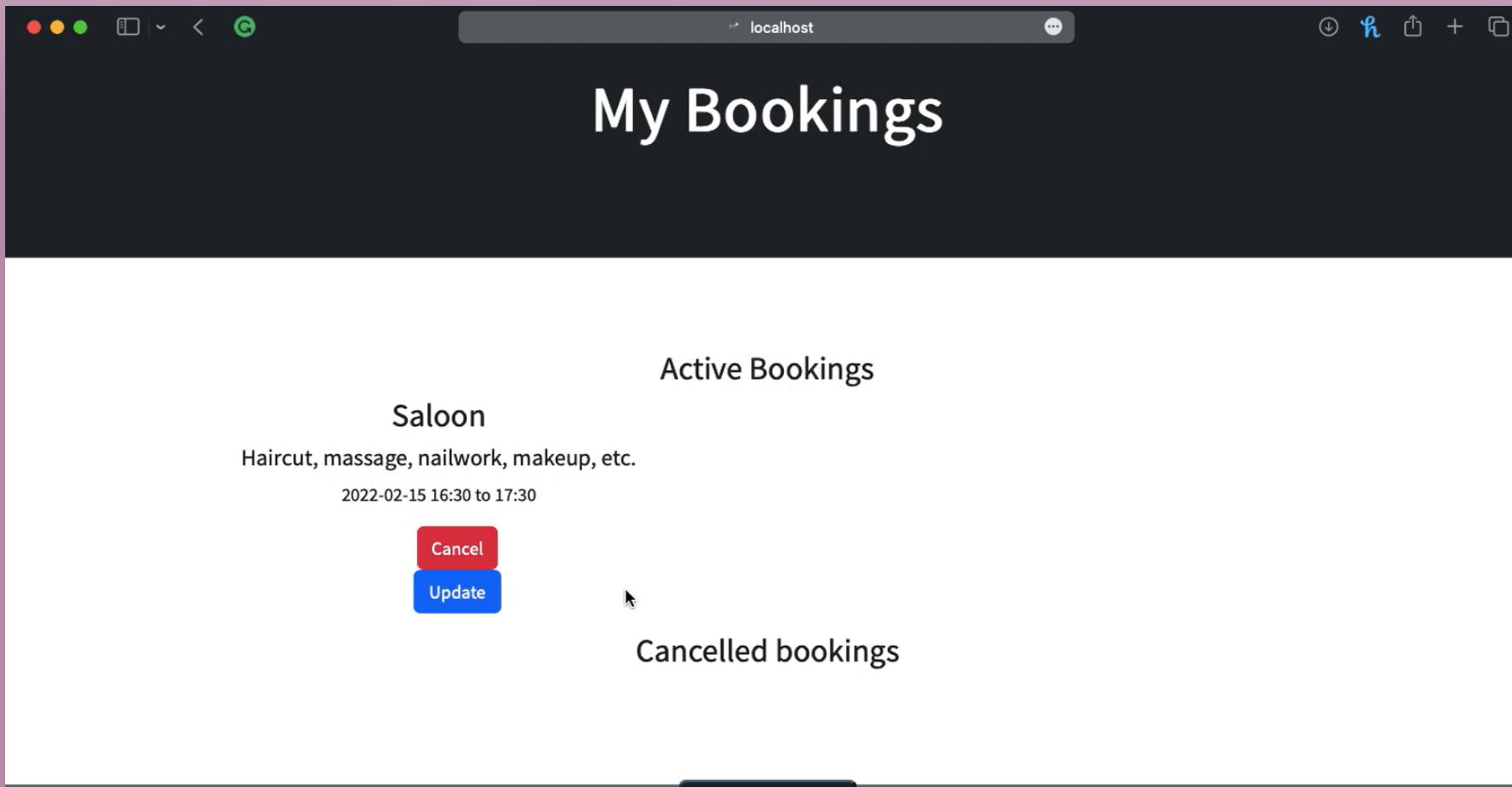
# BOOK A SERVICE

The screenshot shows a web browser window on a Mac OS X system, displaying a service booking interface. The title bar indicates the site is running on `localhost`. The main content area features a header with the logo EasyWay, followed by navigation links: Home, Book a Service, Blog, My Bookings, Profile, and Logout. Below the header is a large, rounded rectangular form.

The form contains several sections:

- A grid of 15 light gray squares arranged in three rows of five. A small black dot is positioned in the center square of the second row. A horizontal slider with left and right arrows is located above the grid.
- An illustration of a person in dark clothing holding a black circle with a white plus sign (+) on it, positioned next to the grid.
- The word **Saloon** in bold capital letters.
- The text **Price: \$25**.
- A placeholder text **Enter date for service**.
- A date input field showing **05/08/2023**, which is highlighted with a blue background.
- A calendar dropdown for **May 2023** showing the days of the month. The day **8** is circled in red, indicating it is selected or highlighted.
- A large, dark blue **Book** button at the bottom right of the form.

# BOOKING PAGE



# CUSTOMER PROFILE

The screenshot shows a web browser window with a profile editing interface. The title bar indicates the site is running on 'localhost'. The main navigation menu includes 'Home', 'Book a Service', 'Blog', 'My Bookings', 'Profile', and 'Logout'. The 'Logout' button is highlighted with a red box.

**User Profile:**

- Profile Picture: A placeholder icon of a person with glasses and a suit.
- Name: buzz
- Email: buzz@pace.edu

**Profile Settings:**

**Name:** Buzz Lightyear

**Gender:** M

**Address:**

- 601, lake street, NJ, 07306
- Apt 2, pavonia ave, New york city
- 34 Bleeker Street, NY

**Save Profile**

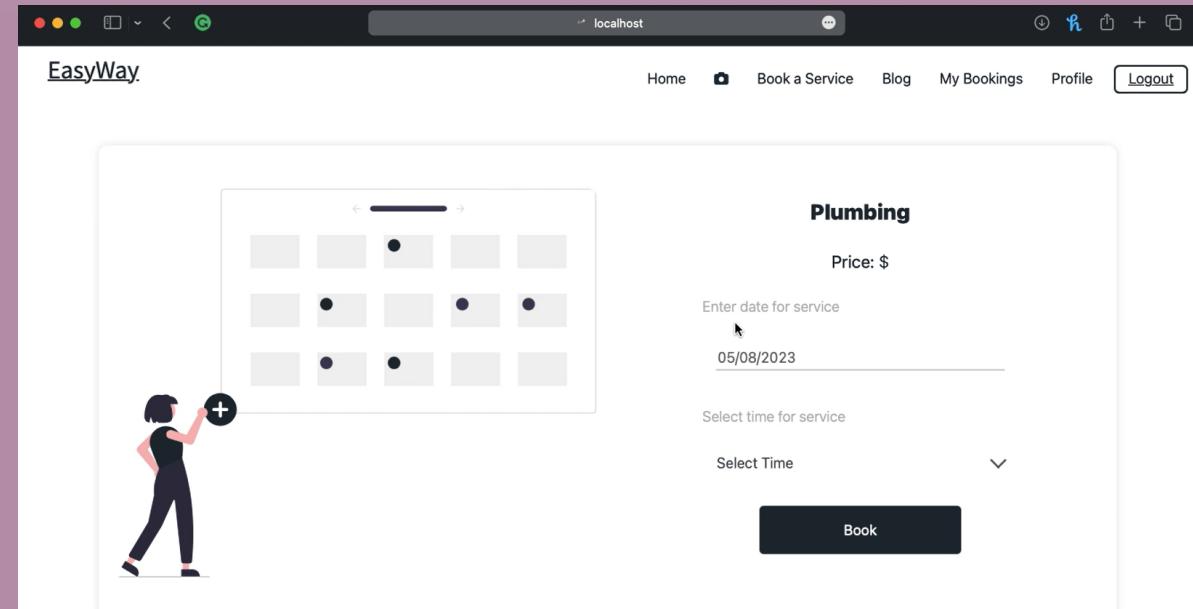
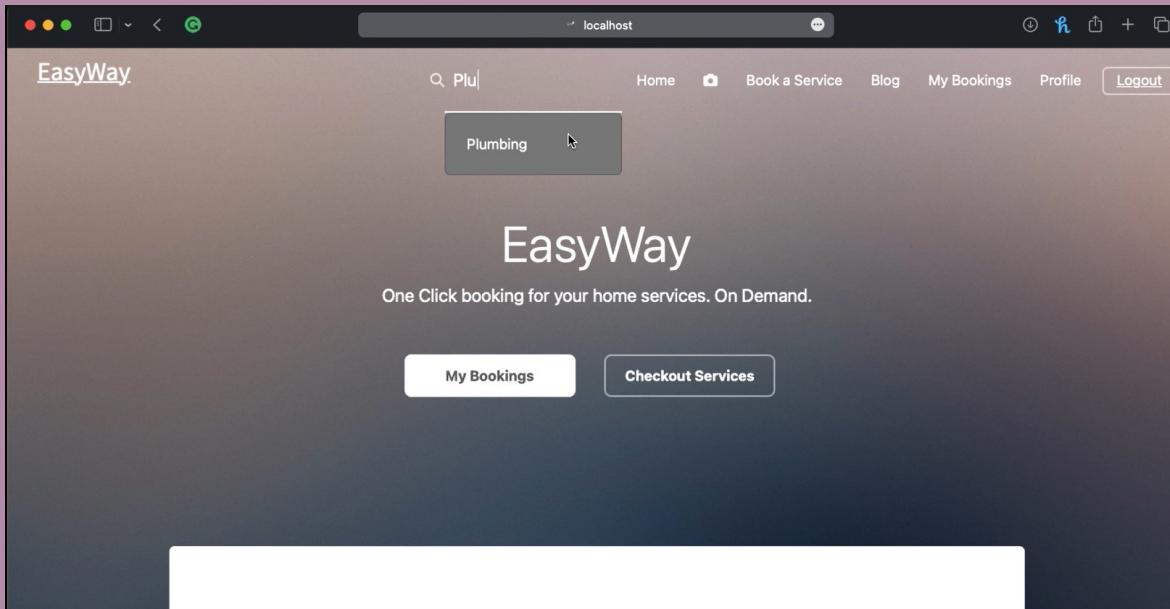
# LOGIN PAGE

The screenshot shows a web browser window with a dark-themed header bar. The address bar displays "localhost". The main content area features a logo on the left with the text "EasyWay." and a navigation menu with links for "Home", "Book a Service", "Blog", "Sign In", and a highlighted "Get Started" button.

The central part of the page is a "Sign In" form. It includes a welcome message "Welcome 🎉", two input fields ("buzz" and a masked password), and links for "Forgot Username ?" and "Forgot Password ?". A large "LOG IN" button is at the bottom of the form.

A decorative illustration of a person walking is visible on the left side of the page.

# SEARCH



# OBJECT DETECTION MODEL / UPLOAD A PICTURE

localhost

EasyWay

Home Book a Service Blog My Bookings Profile Logout

## Upload a Picture

Select a file

Upload

Services About EasyWay  
The platform helps customers book reliable & high quality services for your home

This screenshot shows the 'Upload a Picture' page of the EasyWay platform. It features a large central area for uploading files, with a 'Select a file' button and an 'Upload' button below it. The page has a dark header with navigation links like Home, Book a Service, Blog, My Bookings, Profile, and Logout. Below the header is a main title 'Upload a Picture'. At the bottom, there's a footer with 'Services', 'About', and 'EasyWay' sections.

localhost

Upload

Upload successful!

- Detected: toilet [Click here to book plumbing services](#)
- Detected: sink [Click here to book plumbing services](#)

Fetch Detection Image

This screenshot shows the results of the object detection model. It displays a photograph of a bathroom with a white pedestal sink and a white toilet. The detection results are shown as a list: 'Detected: toilet' with a link to book services, and 'Detected: sink' with another link. Below the list is a blue 'Fetch Detection Image' button. The page has a dark header with navigation links and a footer with 'Services', 'About', and 'EasyWay' sections.

localhost

Upload successful!

- Detected: toilet [Click here to book plumbing services](#)
- Detected: sink [Click here to book plumbing services](#)

Fetch Detection Image

This screenshot shows the results of the object detection model after the 'Fetch Detection Image' button was clicked. It displays the same photograph of the bathroom with two objects highlighted by pink bounding boxes: the sink and the toilet. The detection results are identical to the previous screenshot, listing 'Detected: toilet' and 'Detected: sink' with booking links. The page has a dark header with navigation links and a footer with 'Services', 'About', and 'EasyWay' sections.

localhost

EasyWay

Home Book a Service Blog My Bookings Profile Logout

## Plumbing

Price: \$

Enter date for service  
05/08/2023

Select time for service

Select Time

Book

This screenshot shows the 'Plumbing' booking page. It features a large 'Plumbing' heading and a 'Price: \$' field. Below that is a date input field set to '05/08/2023'. There are dropdown menus for 'Select time for service' and 'Select Time'. At the bottom is a prominent 'Book' button. To the left of the form, there's an illustration of a person holding a black circle with a white plus sign (+) on it, suggesting a booking or addition action.

# API DOCUMENTATION ON POSTMAN

The screenshot shows a browser window displaying the Postman API documentation for the "EasyWay API". The URL in the address bar is <https://documenter.getpostman.com/view/23815648/2s93eSzant>. The page title is "EasyWay API". The left sidebar lists categories: "User", "Service", "Booking", "Blog", "Comment", and "Detection". Under "User", endpoints include "Add user" (POST), "Get user details" (GET), "Forgot Password" (POST), and "Forgot Username" (POST). Under "Booking", endpoints include "Get bookings from a given user" (GET), "Book a service" (POST), and "Update Booking" (PUT). Under "Comment", endpoints include "Get All Comments of a Blog" (GET) and "Add Comment" (POST). Under "Detection", endpoints include "Detections" (POST) and "Get Detections" (GET). The main content area starts with an introduction: "The EasyWay's API is a JSON-based API that allows developers to access and interact with the web application's data and functionalities. All requests are made to endpoints beginning with "`http://localhost:3000/api`" and "`http://localhost:5000`", and can be made using HTTP methods." It then describes how developers can build custom integrations or third-party applications. The "User" section is expanded, showing descriptions for each endpoint under that category.

**EasyWay API**

The EasyWay's API is a JSON-based API that allows developers to access and interact with the web application's data and functionalities. All requests are made to endpoints beginning with "`http://localhost:3000/api`" and "`http://localhost:5000`", and can be made using HTTP methods.

By using the EasyWay's API, developers can build custom integrations or third-party applications that can communicate with the web application's backend. This API documentation provides detailed information about the available endpoints, their input and output parameters, and the necessary authentication requirements to access them.

Whether you are building a mobile application, integrating with a third-party service, or simply exploring the possibilities of the EasyWay's API, this documentation will guide you through the process and help you get started quickly and efficiently.

## User

The User contains the API documentation for a web application. It includes descriptions of the available endpoints, their inputs and outputs, and any relevant information about authentication, errors, and usage guidelines.

Within this, there are several endpoint descriptions for user-related actions.

The "POST Add User" endpoint allows a user to be created with the specified details.

The "GET Get User Details" endpoint retrieves the details of a specific user, based on their unique identifier.

The "POST Forgot Password" endpoint initiates the process for a user to reset their forgotten password.

The "POST Forgot Username" endpoint initiates the process for a user to retrieve their forgotten username.

Each endpoint should have its own separate documentation file, outlining the specific parameters, responses, and any additional information required for usage.

## **GitHub Link**

[HOME](#) □ [KSHARMA67/EASYWAY WIKI \(GITHUB.COM\)](#)

## **Technical Paper Link**

[EASYWAY TECHNICAL PAPER \(GITHUB.COM\)](#)

## **Deployment Manual Link**

[EasyWay Deployment Manual PDF](#)

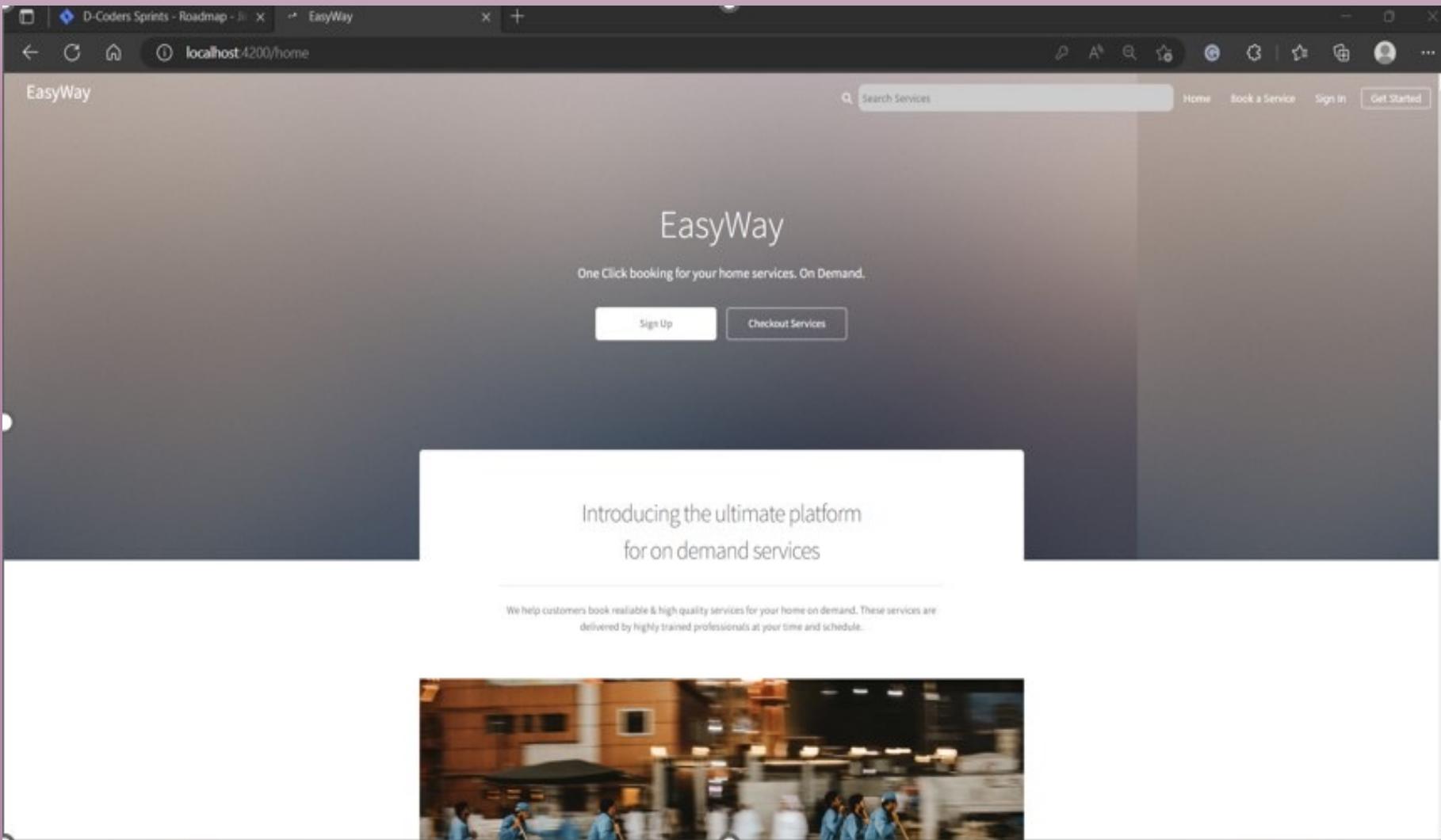
## **API Documentation**

[EasyWay/API Documentation.pdf at main](#) □ [ksharma67/EasyWay \(github.com\)](#)

# FUTURE SCOPE

- The business can explore opportunities to expand to other cities to reach a larger customer base.
- Developing a mobile application for Easyway can provide customers with a more convenient and user-friendly way to book and manage their Service appointments.
- A loyalty program can be implemented to reward repeat customers and encourage brand loyalty.
- Using predictive analytics, Easyway can analyze data on customer behavior, mostly used services, and other factors to optimize pricing and improve service quality by giving easy access to the most used service on the home page.
- Partnering with hotels and Service provider companies can increase visibility and attract new customers to Easyway. Implementing artificial intelligence technology, such as chatbots, can enhance the customer experience by providing quick and personalized responses to inquiries.
- Ensuring the security and privacy of customer data through robust cybersecurity measures can build trust with customers and protect the company's reputation.

# LIVE APPLICATION DEMO



# Thank You

