

PROJECT ACTIVITY SHEET

Stage 1:

1.1 Team Name: **Desperados**

1.2 Team Member Roles:

	Name	Skillsets, Interests
Facilitator	Dzhuliano	Technologies, app developer, knowledge of DevOps
Recorder	Ana	Technologies, app developer, API
Team Member	Luigi	Technologies, Web development, design
Team Member	Carlos	Technologies, Web development, design

1.3 Ice-breaker Questions:

Member Name	Question	Answer
Luigi	Do you like dogs or hot dogs?	If you like the hot dogs and don't know how they are cooked, you can use our web app, and sort all your problem
Ana	Do you like to cook?	Even If you are a beginner chef, you can be like a professional thanks to our app that lead you step by step to the result
Dzhuliano	How often do you open de fridge and wonder what to cook?	During the day it is estimated that we open the fridge more than hundred times even for no reason

Stage 2:

2.1 Team Name: **Desperados**

2.2 Scrum Leader: **Dzhuliano**

2.3 How did your team select the scrum leader?

We have selected the scrum leader based on leadership qualities and organizational skills, also the scrum leader had experience using GitHub and has passed DevOps training which was useful in this project .

2.4 Did you define any other agile team roles? If yes, give details. If no, why? Give reasons.

We have discussed that Ana and Dzhuliano are going to build the python part and the API part of the project and me, Luigi, with the help of Carlos, we are going to build the interface of the web design.

2.5 Which communication tools did your team decide to use and for what purpose?

Tools	Purpose
Whatsapp	Was used for everyday communication, checks and following up the outgoing project
Trello	Trello was used as note clipboard, mind map, task assignation and completion
Zoom	For on-line video meetings
E-mail	Used for on-line file exchange when we were at our place

Stage 3:

3.1 What were the reasons your team selected this option? (Option 1 or Option 2)

After a brainstorm we decide to opt for the solution for a well know problem so we turn to option 2.
The problem we decided to sort is to build something accessible to everyone, light and fast, in order to have all the recipes of the world at a click away just typing one ingredient that we can find inside the fridge.

3.2 Describe your team's application and its deliverables. What are the specific objectives of this application?

The specific objective of our application is help, all the people that have just one ingredient in the fridge and they don't know what to cook. Our aim is reduce the wastage of the food and give the possibility to whoever try to cook to do as professional chef

3.3 Record your team member roles and skillsets

Team Member	Role/ Knowledge/ Skillset
Dzuliano	Team Leader, Leader of the development and supervisor
Ana	Implementation of the API for the Python code
Luigi	Builder of the web interface, and HTML structure
Carlos	Builder of the web interface, and HTML structure

3.4 Project Plan: - Provide a brief description of your team's strategy for completing this project

Our strategy was to provide a solution to an already existing problem:
So we had to do our research and come with an idea that will solve this problem efficiently

3.5 What is the link to your GitHub repository?

<https://github.com/dzhuliano/NetworkProgramabilityGroupProject>

3.6 Describe how GitHub was used in your project? (*Address creating branches, adding team members, pull requests, code review, code merge etc*)

We have used GitHub to push the code, check for errors, and collaborate with the other member of the team. The only one thing to be careful was be sure that a certain workflow was followed to build the code for the project.

3.7 List of future enhancements

We plan to work on the design to make it more familiar, so the user can feel like home and mostly important implement video tutorials about cooking the dishes provided by the website

Stage 4:

As a member of the Desperados team, I worked on building the web interface and HTML structure for our project. Although based in London, our differing work schedules made finding meeting times difficult. To collaborate effectively, we relied on tools like WhatsApp, Trello, email, and Zoom. Trello was especially helpful for asynchronous planning - we could assign tasks with deadlines for each person to complete independently. We ran into some challenges merging code from different components of the project. To mitigate this, we used best practices on GitHub like pull requests, code reviews, and testing before merging branches. Through this experience, I learned the importance of clear requirements, regular check-ins, and early prototypes when working with a distributed team. In hindsight, I would have recommended more incremental milestones between meetings. Overall, this project gave me useful experience with agile development practices and virtual teamwork. I enjoyed contributing to the end-to-end delivery of a product, particularly the interface and documentation. I'm proud our team overcame scheduling conflicts to ship a quality application. This reinforced skills in cross-functional collaboration, lean processes, and modern development tools that I can leverage in my career.

Deliverables:

Hereby the outcome inside the Pycharm application used to code the main.py and a screenshot made in visual studio code for the code of the file index.html

```
1 from flask import Flask, render_template, request
2 import requests
3 from urllib.parse import urlencode
4
5 # Create the flask app
6 app = Flask(__name__)
7
8 # Replace with your Spoonacular API key
9 API_KEY = '1b6944843ebb492eae01df16871ced20'
10
11
12 # Define the route for the "Home" button
13 @app.route(rule: '/home', methods=['GET'])
14 def home():
15     # Render the main page with empty recipe list and search query
16     return render_template(template_name_or_list: 'index.html', recipes=[], search_query='')
17
18
19 # Define the main route for the app
20 @app.route(rule: '/', methods=['GET', 'POST'])
21 def index():
22     # Request object == (args, kwargs)
```

Run main

```
* Debug mode: on
* Running on http://127.0.0.1:8080 (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 147-190-291
127.0.0.1 - - [23/Aug/2023 20:35:02] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [23/Aug/2023 20:37:54] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [23/Aug/2023 20:38:27] "GET /recipe/634593?search_query=beef HTTP/1.1" 200 -
127.0.0.1 - - [23/Aug/2023 20:39:04] "GET /?search_query=beef HTTP/1.1" 200 -
```

The screenshot shows a web browser window displaying a recipe application. The browser's address bar shows the URL `http://localhost:3000/`. The page content includes a search bar with the placeholder text "Search for recipes", a list of recipes, and a detailed view of a selected recipe. The recipe details include the title "Recipe Title", the ingredients list, and the instructions list. The code editor on the right shows the HTML and JavaScript code for the application.

```
1 <!-- Search Bar -->
2 <div class="search-bar">
3   <input type="text" value="Search for recipes" />
4 </div>
5
6 <!-- Recipe List -->
7 <div class="recipe-list">
8   <div class="recipe-item">
9     <div class="recipe-title">Recipe Title</div>
10    <div class="recipe-description">Recipe Description</div>
11    <div class="recipe-ingredients">Recipe Ingredients</div>
12    <div class="recipe-instructions">Recipe Instructions</div>
13  </div>
14  <div class="recipe-item">
15    <div class="recipe-title">Recipe Title</div>
16    <div class="recipe-description">Recipe Description</div>
17    <div class="recipe-ingredients">Recipe Ingredients</div>
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25  </div>
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29    <div class="recipe-ingredients">Recipe Ingredients</div>
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100   <div class="recipe-description">Recipe Description</div>
101   <div class="recipe-ingredients">Recipe Ingredients</div>
102   <div class="recipe-instructions">Recipe Instructions</div>
103 </div>
104
105 <!-- Recipe Details -->
106 <div class="recipe-details">
107   <div class="recipe-title">Recipe Title</div>
108   <div class="recipe-description">Recipe Description</div>
109   <div class="recipe-ingredients">Recipe Ingredients</div>
110   <div class="recipe-instructions">Recipe Instructions</div>
111 </div>
112
113 <!-- Footer -->
114 <div class="footer">
115   <div class="copyright">Copyright © 2020. All rights reserved.</div>
116   <div class="contact">Contact Us</div>
117 </div>
```

127.0.0.1

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