

## 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                          |
| Carlos      | If you could try any food, what would it be?             | Blowfish.                                                                                                                  |

## Stage 2:

2.1 Team Name: **Desperados**

2.2 Scrum Leader: **Dzhuliano**

2.3 How did your team select the scrum leader?

We did a meeting with the group, and after a long discussion we have decided that i should be the Scrum leader, since i have passed a DevOps training and i have more expirience manging tech projects.

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

We have discussed that Me and Ana are going to build the python part and the API part of the project. While Luigi, with the help of Carlos, 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                                                                           |
|-----------------|-----------------------------------------------------------------------------------|
| <b>Whatsapp</b> | Was used for everyday communication, checks and following up the outgoing project |
| <b>Trello</b>   | Trello was used as note clipboard, mind map, task assignation and completion      |
| <b>Zoom</b>     | For on-line video meetings                                                        |
| <b>E-mail</b>   | 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 meeting we have decided to choose option 2, the justification for that action was that we wanted to build and solve a particular problem.

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

The application that we have build is going to solve a particular problem:  
Many people in their everyday life struggle to decide what to cook, especially when they have limited ingredients in the fridge.  
The app works in the following way:  
A person types an ingredient on the web application and the API fetches recipes and cooking instructions relevant to this ingredient for example (beef).

#### 3.3 Record your team member roles and skillsets

| Team Member     | Role/ Knowledge/ Skillset                                                            |
|-----------------|--------------------------------------------------------------------------------------|
| <b>Dzuliano</b> | Builder of GitHub repository, Team Leader, Leader of the development and Supervisor. |
| <b>Ana</b>      | Implementation of the API for the Python code                                        |
| <b>Luigi</b>    | Builder of the web interface, and HTML structure                                     |
| <b>Carlos</b>   | 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 members 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 leader of Desperados team, I have faced the challenge to organise workflow efficiently and fairly based on the experience and skillset of my collages, my contribution to the project was to organize the workflow, setup the repository files on GitHub, to supervise and to perform Quality Assurance Tests on the code submitted by other team members.

Writhing a solid base of the code in the main.py file so a certain workflow and functionality was fallowed later by other team members.

In the beginning we have faced the challenge to push the code on GitHub ,but we overcame this by communication and support to each other.

After this project am confident in my leadership and organizational skills as well as my coding and testing skills.

#### **Deliverables:**

Here i have tested and run the code using PyCharm and Python 3.10 environment.

The image shows a VS Code editor with a Python Flask application. The code is as follows:

```
1 from flask import Flask, jsonify, request
2 import requests
3 from urllib.parse import unquote
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     # Search recipes
```

The Run and Debug console shows the following output:

```
* Debug mode: on
* Running on http://127.0.0.1:5000 (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 with a dark theme. The address bar displays "http://localhost:3000/". The page content includes a search bar with the placeholder text "Search for recipes". Below the search bar, there is a section titled "Check if recipes are available" which contains a list of recipes. The recipes are displayed in a grid format, showing the recipe title, ingredients, and a link to the recipe details. The recipes listed are "Chocolate Cake", "Vanilla Ice Cream", and "Lemon Meringue Pie". The page also features a sidebar with navigation links and a footer with copyright information.

The final results of the web app, with screenshots that prove the app functionality.

