

# Universidad de Sevilla

Escuela Técnica Superior de Ingeniería Informática



Grado en Ingeniería Informática del Software

**Diseño y Pruebas II**

Curso 2021/2022

## PLANNING REPORT D04

**Repositorio:** <https://github.com/Ginpasfer/Acme-Recipes>

| Grupo de Prácticas            | S07  |
|-------------------------------|--|
| Estudiantes                   | Rol  |
| Pastor Fernández, Ginés       | Project Manager<br>Developer<br>Operator<br>Tester |
| Giráldez Álvarez, Pablo       | Developer<br>Analyst<br>Tester                     |
| Rijo Hernández, Badayco       | Developer<br>Tester                                |
| Solís Miranda, Antonio Manuel | Developer<br>Tester                                |
| Paradas Borrego, Álvaro       | Developer<br>Tester                                |

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## 1. Resumen ejecutivo

Este documento es el *Planning Report*. En él se incluyen las tareas realizadas para el entregable en cuestión. Al final del documento se encuentra una tabla con la planificación y sus costes. Conforme se avance en el proyecto este documento se irá actualizando.

## 2. Tabla de revisiones

| Versión | Fecha      | Autor                  | Descripción de cambios             |
|---------|------------|------------------------|------------------------------------|
| 1.0     | 17/07/2022 | Ginés Pastor Fernández | - Creación del documento           |
| 2.0     | 01/08/2022 | Ginés Pastor Fernández | - Actualización segundo entregable |
| 3.0     | 6/08/2022  | Ginés Pastor Fernández | - Actualización tercer entregable  |
| 4.0     | 24/08/2022 | Ginés Pastor Fernández | - Actualización cuarto entregable  |

## 3. Introducción

En este documento se describen las diferentes tareas realizadas por nuestro grupo, estas tareas también incluyen información relacionada, así como el coste de las mismas. Este coste se calcula siguiendo las directrices que encontramos en el documento “Group deliverables” siendo el precio por hora del mánager o analista 25.00€ y el precio de 15.00€ para el resto de los roles.

Para ello, el contenido del documento se va a dividir por entregables, de forma que se puedan tener bien diferenciadas las tareas que pertenecen a cada uno de ellos. Dentro de estos, encontramos un apartado con una pequeña descripción de cada una de las tareas de ese sprint. Estas siempre empezaran en la tarea 0. En el siguiente punto, se puede ver una tabla con cada una de las tareas descritas anteriormente, su correspondiente tarea en github, el tipo de tarea, el miembro del grupo asignado a ella, el rol de este, el tiempo estimado y, por último, el presupuesto estimado junto a la amortización de este en tres años.

## 4. Contenido

### 4.1. Primer entregable

#### 4.1.1. Descripción de tareas

- **Tarea 0:** Repository creation and configuration.
- **Tarea 1:** Instantiate and customise your starter project so that you can work on your deliverables. Make sure that the name of your project folder, maven configuration (pom.xml), and database is “Acme-Recipes-22.8”.
- **Tarea 2:** Creation and division of tasks.
- **Tarea 3:** Produce a planning report.
- **Tarea 4:** Modify the anonymous menu. Adds a sub-option that takes the browser to their favourite link. The text in the sub-options must match the following pattern: “{id-number}: {surname}, {name}”, where “{id-number}” denotes a workgroup member’s DNI, NIE, or passport number, “{surname}” denotes that member’s surname/s, and “{name}” denotes his or her name.
- **Tarea 5:** The system must be internationalised in English and Spanish. Other mainstream languages are welcome, but not required.
- **Tarea 6:** Produce a workgroup report.
- **Tarea 7:** Produce a report in which you comment on how you have set up your development configuration. Please, note that we are not asking you to reproduce the guidelines to set it up; we are asking you for a report in which you make it clear that you’ve followed the guidelines and have your development configuration ready to work. The structure of the contents is up to you.
- **Tarea 8:** Produce a report that describes what you know about the architecture of a WIS. Please, realise that we’re asking you to report on what you know thanks to the previous subjects, not the architecture to be taught in this subject. The structure of the contents is up to you.
- **Tarea 9:** Produce a report that describes what you know about testing a WIS. Please, realise that we’re asking you to report on what you know thanks to the previous subjects, not on the approach to testing to be taught in this subject. The structure of the contents is

up to you.

- **Tarea 10:** Meeting to review all tasks.
- **Tarea 11:** Produce a progress report.
- **Tarea 12:** Prepare the project for delivery and deliver.
- **Tarea 13:** Meeting to supervise the correct delivery of the project.

#### 4.1.2. Tabla de desglose y presupuesto

| Título   | Tarea en GitHub | Tipo                    | Asignatario            | Rol       | Tiempo (horas) | Presupuesto (euros) |
|----------|-----------------|-------------------------|------------------------|-----------|----------------|---------------------|
| Tarea 0  | -               | Environment preparation | Ginés Pastor Fernández | Manager   | 0.25           | 25*0.25=6.25        |
| Tarea 1  | Task-001        | Environment preparation | Ginés Pastor Fernández | Manager   | 0.25           | 25*0.25=6.25        |
| Tarea 2  | -               | Sprint preparation      | Ginés Pastor Fernández | Manager   | 0.25           | 25*0.25=6.25        |
| Tarea 3  | Task-009        | Documentation           | Ginés Pastor Fernández | Manager   | 1              | 25*1=25             |
| Tarea 4  | Task-014        | Feature                 | Ginés Pastor Fernández | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 4  | Task-015        | Feature                 | Pablo Giráldez Álvarez | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 4  | Task-016        | Feature                 | Antonio Solís Miranda  | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 4  | Task-017        | Feature                 | Badayco Rijo Hernández | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 4  | Task-018        | Feature                 | Álvaro Paradas Borrego | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 5  | Task-007        | Feature                 | Pablo Giráldez Álvarez | Developer | 0.25           | 15*0.25=3.75        |
| Tarea 6  | Task-008        | Documentation           | Ginés Pastor Fernández | Manager   | 1              | 25*1=25             |
| Tarea 7  | Task-011        | Documentation           | Antonio Solís Miranda  | Developer | 1              | 15*1=15             |
| Tarea 8  | Task-012        | Documentation           | Badayco Rijo Hernández | Developer | 1              | 15*1=15             |
| Tarea 9  | Task-013        | Documentation           | Álvaro Paradas Borrego | Developer | 1              | 15*1=15             |
| Tarea 10 | -               | Testing                 | Ginés Pastor Fernández | Tester    | 1              | 15*1=15             |
| Tarea 10 | -               | Testing                 | Pablo Giráldez Álvarez | Tester    | 1              | 15*1=15             |
| Tarea 10 | -               | Testing                 | Antonio Solís Miranda  | Tester    | 1              | 15*1=15             |
| Tarea 10 | -               | Testing                 | Badayco Rijo Hernández | Tester    | 1              | 15*1=15             |
| Tarea 10 | -               | Testing                 | Álvaro Paradas Borrego | Tester    | 1              | 15*1=15             |
| Tarea 11 | Task-010        | Documentation           | Ginés Pastor Fernández | Manager   | 0.25           | 25*0.25=6.25        |
| Tarea 12 | -               | Delivery                | Ginés Pastor Fernández | Operator  | 0.25           | 15*0.25=3.75        |
| Tarea 13 | -               | Meeting                 | Ginés Pastor Fernández | Operator  | 0.25           | 15*0.25=3.75        |
| Tarea 13 | -               | Meeting                 | Pablo Giráldez Álvarez | Tester    | 0.25           | 15*0.25=3.75        |
| Tarea 13 | -               | Meeting                 | Antonio Solís Miranda  | Tester    | 0.25           | 15*0.25=3.75        |
| Tarea 13 | -               | Meeting                 | Badayco Rijo Hernández | Tester    | 0.25           | 15*0.25=3.75        |
| Tarea 13 | -               | Meeting                 | Álvaro Paradas         | Tester    | 0.25           | 15*0.25=3.75        |

|                     |  |  |         |  |  |          |
|---------------------|--|--|---------|--|--|----------|
|                     |  |  | Borrego |  |  |          |
| Total (euros)       |  |  |         |  |  | 240      |
| Amortización(euros) |  |  |         |  |  | 240/3=80 |

## 4.2. Segundo entregable

### 4.2.1. Descripción de tareas

- **Tarea 0:** Creation and division of tasks.
- **Tarea 1:** Produce a planning report.
- **Tarea 2:** The principals may have the following project-specific roles: chef and/or epicure (in addition to the default anonymous, authenticated, and administrator roles provided by the development framework). The project-specific roles must have a profile with the following data: an organisation (not blank, shorter than 101 characters), an assertion (not blank, shorter than 256 characters), and an optional link with further information. The system must be delivered with an account for an administrator principal with credentials "administrator/administrator".
- **Tarea 3:** A peep is an informal short message. The system must store the following data about them: an instantiation moment, a heading (not blank, shorter than 101 characters), a writer (not blank, shorter than 101 characters), a piece of text (not blank, shorter than 256 characters), and an optional email address. The writer is not required to be the name of an actual principal.
- **Tarea 4:** A bulletin is a formal piece of news. The system must store the following data about them: an instantiation moment (in the past), a heading (not blank, shorter than 101 characters), a piece of text (not blank, shorter than 256 characters), a flag to indicate whether they are critical or not, and an optional link with further information.
- **Tarea 5:** An ingredient is any of the foods or substances that are combined to make a particular dish. The system must store the following data about them: a name (not blank, shorter than 101 characters), a code (pattern "`^[A-Z]{2:})?[A-Z]{3}-[0-9]{3}$`", unique), a description (not blank, shorter than 256 characters), a retail price (not nought, positive), and an optional link with further information.
- **Tarea 6:** A kitchen utensil is an artefact that allows to transform ingredients into dishes. The system must store the following data about them: a name (not blank, shorter than 101 characters), a code (pattern "`^[A-Z]{2:})?[A-Z]{3}-[0-9]{3}$`", unique), a description (not blank, shorter than 256 characters), a retail price (not nought, positive), and an optional link with further information.
- **Tarea 7:** A recipe is a document with ingredients and kitchen utensils that help prepare a dish. The system must store the following data about them: a code (pattern "`^[A-Z]{2:})?[A-Z]{3}-[0-9]{3}$`", unique), heading (not blank, shorter than 101 characters), description (not blank, shorter than 256 characters), preparation notes (not blank, shorter than 256 characters), and an optional link with further information. A recipe may have only one instance of a particular ingredient (indicating an amount unit like gram, kilo, cm3, gallon, spoon, or the like); it may have as many instances of a particular kitchen utensil as necessary. The amount units are not requested to be managed, but that feature would be welcome by the customer.
- **Tarea 8:** A fine dish is a special request by an epicure to a chef. The system must store the following data about them: a status (proposed, accepted, or denied), a code (pattern "`^[A-Z]{2:})?[A-Z]{3}-[0-9]{3}$`", unique), request (not blank, shorter than 256 characters), a budget (positive), a period of time (at least one month long, starting at least one month after the fine dish is instantiated), and an optional link with further information.
- **Tarea 9:** A memorandum consists of a series of messages exchanged between a chef and an epicure regarding a particular fine dish. The system must store the following data about them: an automatic sequence number (not blank, matches pattern "`{fine dish-code}:{serial-number}`", where "`{fine dish-code}`" denotes the code of corresponding fine dish and "`{serial-number}`" denotes a sequential number that starts at "0001" and gets increased with every new memorandum), an instantiation moment (in the past), a report (not blank, shorter than 256 characters), and an optional link with further information.
- **Tarea 10:** The system must handle epicure dashboards with the following data: total number of proposed/accepted/denied fine dishes; average, deviation, minimum, and maximum budget of proposed /accepted/denied fine dishes grouped by currency.
- **Tarea 11:** The system must handle administrator dashboards with the following indicators: total number of ingredients; average, deviation, minimum, and maximum retail price of

ingredients, grouped by currency; total number of kitchen utensils; average, deviation, minimum, and maximum retail price of kitchen utensils, grouped by currency; total number of proposed/accepted/denied fine dishes; average, deviation, minimum, and maximum budget of proposed/accepted/denied fine dishes.

- **Tarea 12:** The system configuration must include the following initial data:
  - o A system currency, which must be “EUR” by default.
  - o A list of accepted currencies, which must be initialised to “EUR”, “USD”, and “GBP”.
  - o A list of spam tuples. A spam tuple consists of a spam term (one or more words separated by blanks) and its corresponding weight (in range 0.00 – 1.00). The default list of tuples must include (“sex”, 0.10), (“viagra”, 0.10), (“cialis”, 0.10), (“hard core”, 0.10), (“sexy”, 0.05), (“nigeria”, 0.05), (“you’ve won”, 0.05), (“one million”, 0.05) and their corresponding translations to the languages available for internationalisation.
  - o A spam threshold, which must be 0.10 by default.
- **Tarea 13:** Produce a UML domain model.
- **Tarea 14:** Produce assorted sample data (methodologically). The credentials in the sample user accounts must be set after the pattern “chef1/ chef1”, “chef2/chef2”, “epicure1/epicure1”, “epicure2/epicure2”, and the like.
- **Tarea 15:** Meeting to review all tasks.
- **Tarea 16:** Produce a progress report.
- **Tarea 17:** Prepare the project for delivery and deliver.
- **Tarea 18:** Meeting to supervise the correct delivery of the project.

#### 4.2.2. Tabla de desglose y presupuesto

| Título   | Tarea en GitHub | Tipo               | Asignatario            | Rol       | Tiempo (horas) | Presupuesto (euros) |
|----------|-----------------|--------------------|------------------------|-----------|----------------|---------------------|
| Tarea 0  | -               | Sprint preparation | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 1  | Task-030        | Documentation      | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 2  | Task-019        | Feature            | Badayco Rijo Hernández | Developer | 0.75           | 15*0.75=11.25       |
| Tarea 3  | Task-020        | Feature            | Badayco Rijo Hernández | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 4  | Task-021        | Feature            | Pablo Giráldez Álvarez | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 5  | Task-022        | Feature            | Ginés Pastor Fernández | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 6  | Task-023        | Feature            | Ginés Pastor Fernández | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 7  | Task-024        | Feature            | Pablo Giráldez Álvarez | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 8  | Task-025        | Feature            | Antonio Solís Miranda  | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 9  | Task-026        | Feature            | Antonio Solís Miranda  | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 10 | Task-027        | Feature            | Álvaro Paradas Borrego | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 11 | Task-028        | Feature            | Álvaro Paradas Borrego | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 12 | Task-029        | Feature            | Álvaro Paradas Borrego | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 13 | Task-032        | Feature            | Pablo Giráldez Álvarez | Analyst   | 0.5            | 25*0.5=12.5         |
| Tarea 14 | Task-033        | Feature            | Badayco Rijo Hernández | Developer | 0.5            | 15*0.5=7.5          |
| Tarea 15 | -               | Testing            | Ginés Pastor Fernández | Tester    | 1              | 15*1=15             |
| Tarea 15 | -               | Testing            | Pablo Giráldez Álvarez | Tester    | 1              | 15*1=15             |

|                                   |          |               |                        |           |      |               |
|-----------------------------------|----------|---------------|------------------------|-----------|------|---------------|
| Tarea 15                          | -        | Testing       | Antonio Solís Miranda  | Tester    | 1    | 15*1=15       |
| Tarea 15                          | -        | Testing       | Badayco Rijo Hernández | Tester    | 1    | 15*1=15       |
| Tarea 15                          | -        | Testing       | Álvaro Paradas Borrego | Tester    | 1    | 15*1=15       |
| Tarea 16                          | Task-031 | Documentation | Antonio Solís Miranda  | Developer | 0.25 | 15*0.25=3.75  |
| Tarea 17                          | -        | Delivery      | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75  |
| Tarea 18                          | -        | Meeting       | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75  |
| Tarea 18                          | -        | Meeting       | Pablo Giráldez Álvarez | Tester    | 0.25 | 15*0.25=3.75  |
| Tarea 18                          | -        | Meeting       | Antonio Solís Miranda  | Tester    | 0.25 | 15*0.25=3.75  |
| Tarea 18                          | -        | Meeting       | Badayco Rijo Hernández | Tester    | 0.25 | 15*0.25=3.75  |
| Tarea 18                          | -        | Meeting       | Álvaro Paradas Borrego | Tester    | 0.25 | 15*0.25=3.75  |
| Total del sprint anterior (euros) |          |               |                        |           |      | 240           |
| Total sprint actual (euros)       |          |               |                        |           |      | 232.5         |
| Amortización total (euros)        |          |               |                        |           |      | 472.5/3=157.5 |

### 4.3. Tercer entregable

#### 4.3.1. Descripción de tareas

- **Tarea 0:** Creation and division of tasks.
- **Tarea 1:** Produce a planning report.
- **Tarea 2:** Operations by all principals on user accounts:
  - o List them grouped by project-specific role, excepting accounts that are disabled or have the anonymous or the administrator roles.
  - o Show the identity and profiles of the user accounts that they can list, excepting the credentials and the enablement status.
- **Tarea 3:** Operations by all principals on peeps:
  - o List the peeps that are not older than one month.
- **Tarea 4:** Operations by all principals on ingredients:
  - o List the ingredients that have been published.
  - o Show the details of an ingredient that he or she can list.
- **Tarea 5:** Operations by all principals on kitchen utensils:
  - o List the kitchen utensils that have been published.
  - o Show the details of a kitchen utensil that he or she can list.
- **Tarea 6:** Operations by all principals on recipes:
  - o List the recipes that that have been published.
  - o List the recipes that have been published and include a particular ingredient or kitchen utensil.
  - o Show the details of the recipes that they can list, including their prices, navigating to their ingredients and kitchen utensils, as well showing their details.
- **Tarea 7:** Operations by authenticated principals on bulletins:
  - o List the bulletins that are not older than one month.
  - o Show the details of the bulletins that they can list.
- **Tarea 8:** Operations by authenticated principals on the system configuration:
  - o Show the information regarding the accepted currencies and the system currency. If applicable, show information about the service used to perform money exchanges.
- **Tarea 9:** Operations by chefs on ingredients:
  - o List their own ingredients.
  - o Show their own ingredients.



- 
- **Tarea 10:** Operations by chefs on kitchen utensils:
  - List their own kitchen utensils.
  - Show their own kitchen utensils.
- **Tarea 11:** Operations by chefs on recipes:
  - List their own recipes.
  - Show their own recipes, including their prices, their ingredients, and their kitchen utensils.
- **Tarea 12:** Operations by chefs on fine dishes:
  - List their fine dishes.
  - Show their fine dishes, including the profile of the corresponding epicure.
- **Tarea 13:** Operations by chefs on memoranda:
  - List the messages in the memoranda of their fine dishes.
  - Show the messages in the memoranda of their fine dishes.
- **Tarea 14:** Operations by epicures on fine dishes:
  - List their fine dishes.
  - Show their fine dishes, including the profile of the corresponding chef.
- **Tarea 15:** Operations by epicures on memoranda:
  - List the messages in the memoranda of their fine dishes.
  - Show the messages in the memoranda of their fine dishes.
- **Tarea 16:** Operations by epicures on epicure dashboards:
  - Show their epicure dashboards.
- **Tarea 17:** Operations by administrators on the system configuration:
  - Show the system configuration. If applicable, show information about the service used to perform money exchanges.
- **Tarea 18:** Operations by administrators on administrator dashboards:
  - Show the administrator dashboard.
- **Tarea 19:** Moments, money amounts, and Booleans must be internationalised when they are shown. Other kinds of data might be, but are not expected to be internationalised.
- **Tarea 20:** Produce a Lint report.
- **Tarea 21:** Produce a test suite for your project. Each member of your workgroup must focus on at least one feature and develop complete test cases for it.
- **Tarea 22:** Produce a performance report.
- **Tarea 23:** Meeting to review all tasks.
- **Tarea 24:** Produce a progress report.
- **Tarea 25:** Prepare the project for delivery and deliver.
- **Tarea 26:** Meeting to supervise the correct delivery of the project.

#### 4.3.2. Tabla de desglose y presupuesto

| Título  | Tarea en GitHub | Tipo               | Asignatario            | Rol       | Tiempo (horas) | Presupuesto (euros) |
|---------|-----------------|--------------------|------------------------|-----------|----------------|---------------------|
| Tarea 0 | -               | Sprint preparation | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 1 | Task-052        | Documentation      | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 2 | Task-034        | Feature            | Badayco Rijo Hernández | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 3 | Task-035        | Feature            | Badayco Rijo Hernández | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 4 | Task-036        | Feature            | Ginés Pastor Fernández | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 5 | Task-037        | Feature            | Ginés Pastor Fernández | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 6 | Task-038        | Feature            | Pablo Giráldez Álvarez | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 7 | Task-039        | Feature            | Pablo Giráldez Álvarez | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 8 | Task-040        | Feature            | Álvaro Paradas Borrego | Developer | 1.5            | 15*1.5=22.5         |
| Tarea 9 | Task-041        | Feature            | Ginés Pastor Fernández | Developer | 1.5            | 15*1.5=22.5         |



|   |          |               |                        |           |      |              |
|---|----------|---------------|------------------------|-----------|------|--------------|
| Tarea 10                                | Task-042 | Feature       | Ginés Pastor Fernández | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 11                                | Task-043 | Feature       | Pablo Giráldez Álvarez | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 12                                | Task-044 | Feature       | Antonio Solís Miranda  | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 13                                | Task-045 | Feature       | Antonio Solís Miranda  | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 14                                | Task-046 | Feature       | Antonio Solís Miranda  | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 15                                | Task-047 | Feature       | Antonio Solís Miranda  | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 16                                | Task-048 | Feature       | Álvaro Paradas Borrego | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 17                                | Task-049 | Feature       | Álvaro Paradas Borrego | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 18                                | Task-050 | Feature       | Álvaro Paradas Borrego | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 19                                | Task-051 | Feature       | Badayco Rijo Hernández | Developer | 1.5  | 15*1.5=22.5  |
| Tarea 20                                | Task-054 | Documentation | Badayco Rijo Hernández | Developer | 1    | 15*1=15      |
| Tarea 21                                | Task-055 | Testing       | Ginés Pastor Fernández | Tester    | 1    | 15*1=15      |
| Tarea 21                                | Task-059 | Testing       | Pablo Giráldez Álvarez | Tester    | 1    | 15*1=15      |
| Tarea 21                                | Task-057 | Testing       | Antonio Solís Miranda  | Tester    | 1    | 15*1=15      |
| Tarea 21                                | Task-056 | Testing       | Badayco Rijo Hernández | Tester    | 1    | 15*1=15      |
| Tarea 21                                | Task-058 | Testing       | Álvaro Paradas Borrego | Tester    | 1    | 15*1=15      |
| Tarea 22                                | Task-060 | Documentation | Pablo Giráldez Álvarez | Developer | 1    | 15*1=15      |
| Tarea 23                                | -        | Testing       | Ginés Pastor Fernández | Tester    | 1    | 15*1=15      |
| Tarea 23                                | -        | Testing       | Pablo Giráldez Álvarez | Tester    | 1    | 15*1=15      |
| Tarea 23                                | -        | Testing       | Antonio Solís Miranda  | Tester    | 1    | 15*1=15      |
| Tarea 23                                | -        | Testing       | Badayco Rijo Hernández | Tester    | 1    | 15*1=15      |
| Tarea 23                                | -        | Testing       | Álvaro Paradas Borrego | Tester    | 1    | 15*1=15      |
| Tarea 24                                | Task-053 | Documentation | Antonio Solís Miranda  | Developer | 0.25 | 15*0.25=3.75 |
| Tarea 25                                | -        | Delivery      | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75 |
| Tarea 26                                | -        | Meeting       | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75 |
| Tarea 26                                | -        | Meeting       | Pablo Giráldez Álvarez | Tester    | 0.25 | 15*0.25=3.75 |
| Tarea 26                                | -        | Meeting       | Antonio Solís Miranda  | Tester    | 0.25 | 15*0.25=3.75 |
| Tarea 26                                | -        | Meeting       | Badayco Rijo Hernández | Tester    | 0.25 | 15*0.25=3.75 |
| Tarea 26                                | -        | Meeting       | Álvaro Paradas Borrego | Tester    | 0.25 | 15*0.25=3.75 |
| Total de los sprints anteriores (euros) |          |               |                        |           |      | 472.5        |

|                             |                     |
|-----------------------------|---------------------|
| Total sprint actual (euros) | 636.25              |
| Amortización total (euros)  | 1108.75/3=<br>369.6 |

#### 4.4. Cuarto entregable

##### 4.4.1. Descripción de tareas

- **Tarea 0:** Creation and division of tasks.
- **Tarea 1:** Produce a planning report.
- **Tarea 2:** Operations by anonymous principals on user accounts:
  - o Sign up to the system and become a chef and/or an epicure.
- **Tarea 3:** Operations by authenticated principals on user accounts:
  - o Update their profiles.
- **Tarea 4:** Operations by all principals on peeps:
  - o Instantiate a peep. Note that peeps cannot be updated or deleted; thus, the system must require confirmation before creating them.
- **Tarea 5:** Operations by chefs on ingredients:
  - o Edit their own ingredients, which includes creating, updating, deleting, and publishing them. Updating or deleting an ingredient is allowed as long as it's not been published.
- **Tarea 6:** Operations by chefs on kitchen utensils:
  - o Edit their own kitchen utensils, which includes creating, updating, deleting, and publishing them. Updating or deleting a kitchen utensil is allowed as long as it's not been published.
- **Tarea 7:** Operations by chefs on recipes:
  - o Edit their own recipes, which includes creating, updating, deleting, and publishing them. Updating or deleting a recipe is allowed as long as it's not been published.
- **Tarea 8:** Operations by chefs on fine dishes:
  - o Decide on a proposed fine dish in order to accept or deny it.
- **Tarea 9:** Operations by chefs on memoranda:
  - o Instantiate a memorandum. Memoranda cannot be updated or deleted, which requires the system to request confirmation before creating them.
- **Tarea 10:** Operations by epicures on fine dishes:
  - o Edit their fine dishes, which includes creating, updating, deleting, and publishing them. Updating or deleting a fine dish is allowed as long as it's not been published.
- **Tarea 11:** Operations by epicures on memoranda:
  - o Instantiate a memorandum. Memoranda cannot be updated or deleted, which requires the system to request confirmation before creating them.
- **Tarea 12:** Operations by administrators on bulletins:
  - o Instantiate a bulletin. Note that the bulletins cannot be updated or deleted; thus, the system must require confirmation to instantiate them.
- **Tarea 13:** Operations by an administrator principal on the system configuration:
  - o Update the system configuration.
- **Tarea 14:** Moments, money amounts, and Booleans must be internationalised when they are entered. Other kinds of data might be, but are not expected to be internationalised.
- **Tarea 15:** The system must show all money amounts as they are entered by the users, but also their corresponding money exchanges according to the system currency. The money exchanges must be performed online using a free-of-charge service available on the Web. It's the students' responsibility to find the appropriate service; no implicit or explicit liabilities will be covered by the University of Seville if the students hire pay-per-use services!
- **Tarea 16:** The system must prevent the principals from storing peeps, bulletins, ingredients, kitchen utensils, or recipes if they are considered spam. A piece of text is considered spam if the sum of the weights of the terms in that piece of text divided by the total number of terms is greater than or equal to the spam threshold. The words that are not explicitly listed in the system configuration as spam terms are considered terms whose weight is nought. Realise that a term must be considered spam irrespective of its case and the blanks in between its words. For instance, "one \_ million" is a spam term that matches "one \_ million", "ONE \_ MILLION", "OnE \_ \_ MiLLiOn", or "One \_ ↵ \_ Million"; it doesn't match "One \_ Millionaire", "One \_ or \_ two \_ millions", or "One \_ sex \_ million", though.

- **Tarea 17:** The spam detector must be reusable across different projects; that is: it must be implemented as an independent project that must be packaged into a reusable .jar dependency. (Do not forget to deliver your spam detector project so that it can also be evaluated.)
- **Tarea 18:** Produce a Lint report.
- **Tarea 19:** Produce a test suite for your project. Each member of your workgroup must focus on at least one feature and develop complete test cases for it.
- **Tarea 20:** Produce a performance report.
- **Tarea 21:** Meeting to review all tasks.
- **Tarea 22:** Produce a progress report.
- **Tarea 23:** Prepare the project for delivery and deliver.
- **Tarea 24:** Meeting to supervise the correct delivery of the project.

#### 4.4.2. Tabla de desglose y presupuesto

| Título   | Tarea en GitHub | Tipo               | Asignatario            | Rol       | Tiempo (horas) | Presupuesto (euros) |
|----------|-----------------|--------------------|------------------------|-----------|----------------|---------------------|
| Tarea 0  | -               | Sprint preparation | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 1  | Task-077        | Documentation      | Ginés Pastor Fernández | Manager   | 0.5            | 25*0.5=12.5         |
| Tarea 2  | Task-061        | Feature            | Badayco Rijo Hernández | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 3  | Task-062        | Feature            | Badayco Rijo Hernández | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 4  | Task-063        | Feature            | Badayco Rijo Hernández | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 5  | Task-064        | Feature            | Ginés Pastor Fernández | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 6  | Task-065        | Feature            | Ginés Pastor Fernández | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 7  | Task-066        | Feature            | Pablo Giráldez Álvarez | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 8  | Task-067        | Feature            | Antonio Solís Miranda  | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 9  | Task-068        | Feature            | Antonio Solís Miranda  | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 10 | Task-069        | Feature            | Antonio Solís Miranda  | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 11 | Task-070        | Feature            | Antonio Solís Miranda  | Developer | 2.5            | 15*2.5=37.5         |
| Tarea 12 | Task-071        | Feature            | Pablo Giráldez Álvarez | Developer | 2              | 15*2=30             |
| Tarea 13 | Task-072        | Feature            | Ginés Pastor Fernández | Developer | 2              | 15*2=30             |
| Tarea 14 | Task-073        | Feature            | Pablo Giráldez Álvarez | Developer | 1              | 15*1=15             |
| Tarea 15 | Task-074        | Feature            | Pablo Giráldez Álvarez | Developer | 2              | 15*2=30             |
| Tarea 16 | Task-075        | Feature            | Ginés Pastor Fernández | Developer | 2              | 15*2=30             |
| Tarea 17 | Task-076        | Feature            | Badayco Rijo Hernández | Developer | 1              | 15*1=15             |
| Tarea 18 | Task-079        | Documentation      | Badayco Rijo Hernández | Developer | 1              | 15*1=15             |
| Tarea 19 | Task-080        | Testing            | Ginés Pastor Fernández | Tester    | 2              | 15*2=30             |
| Tarea 19 | Task-080        | Testing            | Pablo Giráldez Álvarez | Tester    | 2              | 15*2=30             |
| Tarea 19 | Task-080        | Testing            | Antonio Solís Miranda  | Tester    | 2              | 15*2=30             |

|   |          |               |                        |           |      |                 |
|---|----------|---------------|------------------------|-----------|------|-----------------|
| Tarea 19                                | Task-080 | Testing       | Badayco Rijo Hernández | Tester    | 2    | 15*2=30         |
| Tarea 20                                | Task-084 | Documentation | Pablo Giráldez Álvarez | Developer | 1    | 15*1=15         |
| Tarea 21                                | -        | Testing       | Ginés Pastor Fernández | Tester    | 1.5  | 15*1.5=22.5     |
| Tarea 21                                | -        | Testing       | Pablo Giráldez Álvarez | Tester    | 1.5  | 15*1.5=22.5     |
| Tarea 21                                | -        | Testing       | Antonio Solís Miranda  | Tester    | 1.5  | 15*1.5=22.5     |
| Tarea 21                                | -        | Testing       | Badayco Rijo Hernández | Tester    | 1.5  | 15*1.5=22.5     |
| Tarea 22                                | Task-078 | Documentation | Antonio Solís Miranda  | Developer | 1    | 15*1=15         |
| Tarea 23                                | -        | Delivery      | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75    |
| Tarea 24                                | -        | Meeting       | Ginés Pastor Fernández | Operator  | 0.25 | 15*0.25=3.75    |
| Tarea 24                                | -        | Meeting       | Pablo Giráldez Álvarez | Tester    | 0.25 | 15*0.25=3.75    |
| Tarea 24                                | -        | Meeting       | Antonio Solís Miranda  | Tester    | 0.25 | 15*0.25=3.75    |
| Tarea 24                                | -        | Meeting       | Badayco Rijo Hernández | Tester    | 0.25 | 15*0.25=3.75    |
| Total de los sprints anteriores (euros) |          |               |                        |           |      | 1108.75         |
| Total sprint actual (euros)             |          |               |                        |           |      | 823.75          |
| Amortización total (euros)              |          |               |                        |           |      | 1932.5/3=644.16 |

Los presupuestos se han calculado teniendo en cuenta los siguientes sueldos:

| Rol             | Sueldo (euros/h) |
|-----------------|------------------|
| Project Manager | 25               |
| Analyst         | 25               |
| Operator        | 15               |
| Tester          | 15               |
| Developer       | 15               |

Por otro lado, se ha tenido en cuenta un período de 3 años para el cálculo de la amortización.

## 5. Conclusión

Gracias a la elaboración de este informe podemos ver con más detalle la realización de las tareas del grupo de trabajo, algunos de los datos que podemos ver sobre estas son: el miembro que han realizado cada una de las tareas, los roles que han ocupado en la realización de la misma, el tipo de tarea en cuestión y su correspondencia en GitHub. Además, podemos ver el tiempo empleado por cada uno de los miembros que han realizado dicha tarea.

A continuación, vemos un presupuesto que se calcula en función del tiempo empleado para realizar la tarea. Este se calcula en base a un precio por horas que depende del rol y es dado por las directrices que encontramos en el documento "Group deliverables".

## 6. Bibliografía

Intencionalmente en blanco