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**SPRINT: Testing of the requirements, UI and UX of the software**

**PHASE 1**

**Purpose:**

Performing the measurement of this Sprint will help us to identify the effort required for its realization. Having the approximate functional size of the software, the key objective of this log will be to estimate the cost and time needed to develop the software.

**Scope:**

The scope of the tests to be performed on the application will be restricted to the functions only visible to the common user of the system.

**Identification of user roles:**

Functional user(s) are identified:

The user that we will be using for the measurement of the Sprint functionalities will be the people. Since the purpose is to measure the functional size of the software, the users will be the people who will perform the tests of the user functionalities, in order to achieve a validation of these and to see that their implementation in the software is adequate.

List of user functions and their classification:

**Processes:**

* **User registration to the system**
* **User login**
* **Edit user profile information**
* **Stirring ingredients**
* **Save/Delete favorite recipes**
* **Search recipes by ingredient**
* **Recipe inquiry**
* **Routine-based recipe plan**

**PHASE 3**

Sub-processes of the user functions and their classification:

**Process: User registration to the system**

Subprocess:

1. Information input (Input)
2. Create account (Writing)

**Process: User Login**

Subprocess:

1. Information input (Input)
2. Login (Reading)

**Process: Edit user profile information**

Subprocess:

1. Information input (Input)
2. Option to save the changed information (Writing)

**Process: Stirring ingredients**

Subprocess:

1. Information input (Input)
2. Input information (Reading)
3. Ingredient (Output)
4. No result" message (Output)

**Process: Saving/Deleting favorite recipes**

Subprocess:

1. Selection (Input)
2. Recipe (Write)

**Process: Search recipes by ingredient**

Subprocess:

1. Information input (Input)
2. Input information (Reading)
3. Ingredient (Output)
4. Selection (Input)
5. \*Delete selection (Input)
6. Search recipes (Input)
7. Recipes (Reading)
8. Recipe results (Output)

**Process: Recipe Query**

Subprocess:

1. Click to the recipe (Input)
2. Recipe Information (Reading)
3. Recipe information (Output)

**Process: Routine-based recipe plan**

Subprocess:

1. Information input (Input)
2. Recipes of the realized plan (Exit)
3. \*Delete prescription plan (Input)
4. Save changes (Write)

Sum of user functionalities:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Process name | Tickets | Exits | Readings | Scriptures | COSMIC Funtions Points (CFP) |
| **User registration to the system** | 1 |  |  | 1 | 2 |
| **User login** | 1 |  | 1 |  | 2 |
| **Edit user profile information** | 1 |  |  | 1 | 2 |
| **Stirring ingredients** | 1 | 2 | 1 |  | 4 |
| **Save/Delete recipes** | 1 |  |  | 1 | 2 |
| **Search recipes by ingredient** | 4 | 2 | 2 |  | 8 |
| **Recipe inquiry** | 1 | 1 | 1 |  | 3 |
| **Routine-based recipe plan** | 2 | 1 |  | 1 | 4 |
| Total | 12 | 6 | 5 | 4 | 27 |

Effort estimation

Assigning each sub-process a COSMIC Function Point (CFP), we estimate a total of 27 CFPs for the sprint.

Time estimation

Taking into account that the sprint is informal testing, we estimate that the duration of each COSMIC Function Point (CFP) will be approximately 5 minutes, obtaining the total sprint time by multiplying the number of COSMIC Function Points by the duration per function point, resulting in 135 minutes, approximately 2.25 hours.

Cost estimation

For this sprint the team was divided into two positions testers and UI/UX designer, the former will be in charge of testing that the user interfaces comply with the requirements, while the latter will be in charge of the design of the interfaces and future corrections.

Testers Jr.

Average hourly salary in Mexico: $80

Equipment:

* Tzab Tzab Ary Obed
* Domínguez Franco Cesar Adrián
* Martínez Montemayor Karen Patricia

UX/UI designer

Average hourly wage in Mexico: $111

Members:

* Montero Uc José Francisco
* Rodriguez Aguirre Mauricio Eduardo
* Avilés Castillo Jesús Alberto

To estimate the salary of each employee, the salary of the position held is multiplied by the time of the sprint, resulting in:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Post | Hourly wage | Total of hours | Salary |
| Tzab Ary | Tester | $80 | 2.25 | $180 |
| Dominguez Cesar | Tester | $80 | 2.25 | $180 |
| Montemayor Karen | Tester | $80 | 2.25 | $180 |
| Montero Francisco | UX/UI designer | $111 | 2.25 | $249.75 |
| Rodriguez Mauricio | UX/UI designer | $11 | 2.25 | $249.75 |
| Avilés Jesús | UX/UI designer | $111 | 2.25 | $249.75 |
| Total |  | $573 | 13.5 | $1289.25 |

We can conclude that the cost of this sprint will be approximately $1289.25 according to the data found.

Salary links

References:

*Average salary for UX UI designer in Mexico 2023.* talent.com. 2023. [https://mx.](https://mx.talent.com/salary?job=dise%C3%B1ador+ux+ui)talent.com/salary?job=dise%C3%B1ador+ux+ui

*Average salary for jr tester in Mexico 2023*. talen.com. 2023. <https://mx.talent.com/salary?job=de+tester+jr#:~:text=%C2%BFCu%C3%A1nto%20gana%20un%20De%20tester%20jr%20en%20M%C3%A9xico%3F&text=El%20salario%20de%20tester%20jr,a%C3%B1o%20o%20%24%2080%20por%20hora>.