A3.1.md 6/4/2021

Introduction



A3.1 Learning Activity

Documentation of the project using the Scrum framework for the start phase.



Development

- 1. Prepare the document vision statement, integrating a section to:
- The business case, including introduction, objectives and scope, business modeling, requirements and restrictions, list of milestones.
- Identification of roles such as product owner, scrum master and stakeholder, scrum team.
- The project budget.

Conclusions

Cota Villa Edy Jesús Manuel

In this activity we declare the vision of the product that communicates the essence of the future product that is expected to be developed in a concise way and establish a shared objective, this document will provide direction, but without losing the flexibility that agile methodologies provide, in this case Cruz, here we define our goals as well as the key points that the product must require, which in case they changed, it would be necessary to redefine the entire project again, but they would not affect small changes such as what would be the information display, privileges, etc. This activity seemed very good to me since, although we have already carried out a project act for some time, it takes on the aspect of being much more flexible only by establishing what would be the pure pillars of the project.

Jaramillo Regino Hector Armando

In this activity we make a compilation of some activities that we have carried out as a team as well as individually and based on that we develop the vision of the project, in which we develop important points such as milestones, risks and high-level requirements as well as the concerns that regarding some project objectives, implementing the scrum methodology as a framework.

Dehesa Zazueta Riggel Alioth

In previous assignments we had the opportunity to learn about different components contained in this layout, with this, we managed to improve our work because of our experience with said assignments. That knowledge helped us create a more realistic approach at formalizing the documentation of our project.

**Morales Arismendi Cristhian

This activity was a compilation of past activity stipulating project milestones and costs. We design the architecture of a software program, since it allows us to analyze the solution we are working on from different angles, which allows us to identify strengths and weaknesses, it also allows us to see the program as it will be perceived by the various users.

Project Vision

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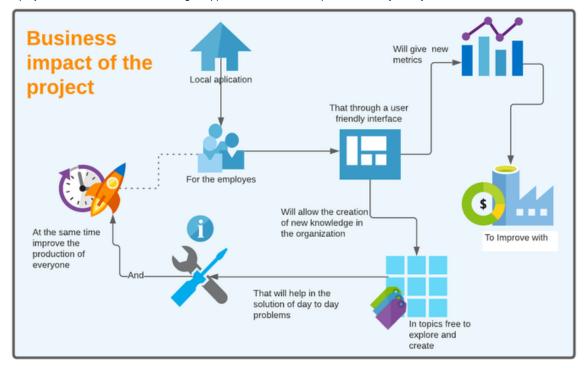
1. Business case

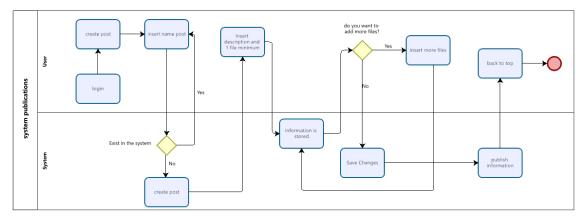
Background

For the project, although there is no previous software that manages the conservation of knowledge in the company, there are several examples the internet that perform similar functions, such as *Yahoo! Answers* and *Stack Overflow*, where registered users can post doubts, explain topics, comments and rate publications; these two are an example that although they have a public aspect, their ideas can be adapted and transformed application for a company, where the same employees can carry out the mentioned activities.

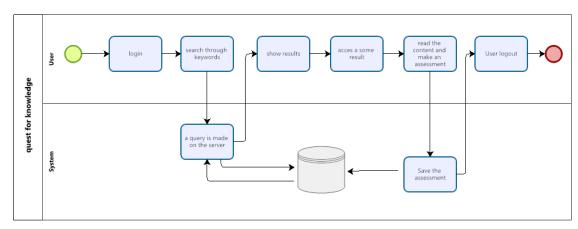
Impact mapping (business modeling)

With this project we want to create a meaningful application with a real impact on the day to day basis.

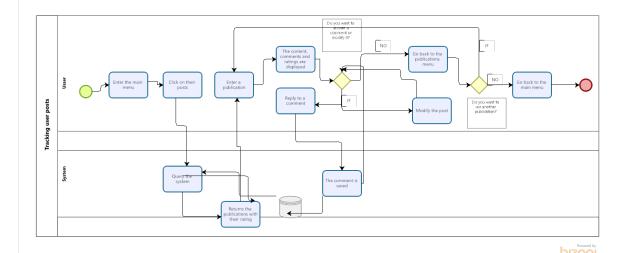












| Company: | Dream Team | | |
|------------------|-------------------------------------|--|--|
| Proyect Name: | Dream Knowledge | | |
| Proyect Type: | Knowledge Management System (KMS) | | |
| Sponsor: | Yakult | | |
| Product Owner: | Leonardo Enriquez Alvarez | | |
| Project Manager: | Hector Armando | | |
| Scrum Master: | Riggel Alioth Dehesa Zazueta | | |
| Scrum Team: | Cota Villa Edy Jesus Manuel | | |
| | Morales Arismendi Cristhian Antonio | | |

3. Project vision statement

Dream Team hopes to promote the advancement of techniques and methods applied to the systems managed by companies to constantly improve and stay ahead of the competition, providing products that allow them to offer better support to their workers who are the soul of their competitiveness.

With this project we hope to create and implement an application for computers that will prevent all that knowledge generated by the company's employees from being lost.

4. Constitutive act of the project

Purpose / Justification:

Due to the fact that the knowledge acquired from the employees during their working periods within the company is lost when they leave, it is necessary to develop a system that allows this knowledge to be preserved even when the employee is no longer present. The software will allow users from the company to store and share knowledge through topics that other users can read and rate as they see fit.

Brief description of the project:

Dream Knowledge is a KMS (Knowledge Management System) in which users are allowed to share useful knowledge to other users in the organization. The expected number of users is in the thousands, at around 10,000+.

Its main function is topic posting, to which the users can add files that complement the information in them. Topics can be rated depending on the value provided to users. Information will be stored locally for security reasons.

Preliminary scope of the project:

It's expected that the software will allow thousands of users to publish and see their aquired knowledge accompanied by files of various types, like, PDF, IMG, MP4 and MP3, allowing changes to the same content by the owner if required, that other users can browse and visit the publications, as well as leave ratings and/or comments if desired. It is also expected that the statistics of publications such as the most visited and most helpful content will be visible to administrators. All of this will be developed in a spawn of 6 months and expected to be implemented in around two months after the development has finished.

Expected project Benefits:

Be went all the implications that this project has, is expected that the software that is going to be developed and implemented has the next impacts in the company:

- 1. Reduction in the loss of knowledge acquired by workers by creating a knowledge base through thousands of publications made by the same workers.
- 2. That the knowledge base generated is accessible to all workers.
- **3.** Improve the process of solving problems or doubts for employees by half.
- 4. Better work performance overall by having employees better prepared to solve problems on a daily basis.
- 5. A source of information to visualize possible improvements within the company that could be made.
- 6. High security for stored information.

| | High-level project requirements: | | |
|---|--|--|--|
| # | Requirement | Success Criterion | |
| 1 | Offer users a platform that is available at all times, easy to use and attractive, as well as guaranteeing the security of the information that is recorded there. | The platform can be active 24/7 for company employees and any employee with a short introduction of 1 hour or less can handle it, as well as only employees can access the system. | |
| 2 | Allow the topics that are published to also attach photos, videos or presentations with a maximum limit of size and duration. | Have a section to create publications where there is a description, as well as a system to upload documents or files, pdf, mp3, jpg, png, etc., in addition to allowing future modifications if necessary. | |
| 3 | Offer the user the power to consult the topics that they have registered and that are valued by other users. | Have a search bar that functions with keywords to find the content you want to see, as well as that once inside the publications, users can rate the publications | |

| Estimates | Delivery Dates |
|---|----------------|
| Project scope limitation | 29/03/2021 |
| Agreement with the client and formal start of the project | 09/04/2021 |
| Database development and design. | 23/04/2021 |
| Controller development and database models. | 30/04/2021 |
| Topic posting and optional file attachments. | 21/05/2021 |
| Search system development. | 28/05/2021 |
| UI and UX design. | 11/06/2021 |
| Data analytics implementation. | 18/06/2021 |
| System deployment (locally). | 25/06/2021 |

| Risks | | | | | |
|-------|---|---------------------------|--------|----------|---|
| # | Identified risk | Probability of occurrence | Impact | Priority | Response plan |
| 1 | The system is unable to run at the proposed scale. | High | High | High | Increase the resources given to the servers, on part of the company. |
| | | Medium | Medium | Medium | |
| | | Low | Low | Low | |
| 2 | It is not possible to offer workers a short course to use the application. | High | High | High | Offer a fair use guide when opening the application, so that users themselves can find |
| | | Medium | Medium | Medium | out how to use the application. |
| | | Low | Low | Low | |
| 3 | The system presents problems to integrate to old systems used by companies. | High | High | High | Offer an intermediate software that serves as a bridge for the information to go through. |
| | | Medium | Medium | Medium | |
| | | Low | Low | Low | |
| 4 | Users have no interest in using the application. | High | High | High | Promote the company to integrate a reward system for employees who have the most |
| | | Medium | Medium | Medium | viewed, most used solutions. |
| | | Low | Low | Low | |
| 5 | Users could make innapropiate/not related posts. | High | High | High | There will be administrator staff to help moderate posts. |
| | | Medium | Medium | Medium | |
| | | Low | Low | Low | |

5. Budget

| Туре | Expected Cost (MXN) |
|--|---------------------|
| Basic services (Water and Electricity) | \$ 5,000.00 |
| Internet and telephone | \$ 4,200.00 |
| Salaries | \$ 184,000.00 |

| Stationery | \$ 1200.00 |
|-------------------|---------------|
| Operational costs | \$ 65,000.00 |
| Total | \$ 259,400.00 |

| Project authorization | | | | |
|---------------------------|----------|------|------------|--|
| Name | Position | Sign | Date | |
| Leonardo Enriquez Alvarez | Sponsor | | 04/06/2021 | |
| Carlos Kasuga Osaka | Sponsor | | 04/06/2021 | |

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| Criterios | Descripción | Puntaje |
|---------------|---|---------|
| Instructions | Is each of the points indicated in the Instructions section fulfilled? | 10 |
| Development | Was each one of the points requested within the development of the activity answered? | 60 |
| Demonstration | Does the student introduce himself during the explanation of the functionality of the activity? | 20 |
| Conclusions | Is a personal opinion of the activity included by each of the team members? | 10 |



Liga a Confluence



Confluence document

Cota Villa Edy Jesús Manuel



Jaramillo Regino Hector Armando



Dehesa Zazueta Riggel Alioth



Morales Arismendi Cristhian Antonio

Repository