Open Rent

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Contents

Chapter 1

Project Plan

Introduction

This plan consist of the entire project plan to construct all the Group work home of the discipline Software engineer proposed by Fernando Antonio De Araujo Chacon from computer Science Department of University of Brasília (UnB).

This project is Licenced by Apache License.

Project organization

See also https://github.com/flpinheiro/ProjetoES
This work is divided into the following content areas:

Project Manager Felipe Luís Pinheiro

Analyst Wanderlan Alves de Jesus Brito

Architect William Coelho da Silva

Tester Andrey Calaça Resende

Project practices and measurements

The OpenUP component team will use OpenUP practices adapted to address the fact that we are doing content development rather than coding. Key artifacts include: Project defined process, project plan, iteration plan, tools, glossary, vision, system-wide requirements, usa-case model, use case, architecture notebook, user interface project, database physical project, infrastructure, test cases. Progress is tracked using two primary measurements using a point system. It is estimated that 1 point represents 2h of work:

- Project backlog: The project backlog shows progress relative to overall work to be done within the project.
- Iteration backlog: The iteration backlog shows progress relative to work intended for the current iteration.

Project milestones and objectives

Iteration	Primary objectives	milestone	Target velocity
I1	Objectives 1. Project Plan 2. Iteration Plan 1	25/02/2021 to 04/03/2021	7
I2	Objectives 1. Iteration Plan 2 2. Use-case Model 3. Architecture Notebook 4. Smoke Test 5. Glossary	05/03/2021 to 12/03/2021	7

Deployment

Lessons learned

Chapter 2

Iteration Plan

2.1 Sprit 1

Key Milestone

Milestone	Date
Iteration start	25/02/2021
Project Plan	
Iteration stop	04/03/2021

High-level objectives

- Complete Project Plan
- Complete First Iteration Plan
- Construct Jira Project Board
- Implement Git Repository Basic Structure

Work Item assignments

The following Work Items will be addressed in this iteration:

Name	Priority	Size estimate (points)	State	Reference material	Target iteration	Assigned to	Hours worked	Estimate of hours remaining
Project Plan	1	2	Complete		1	Felipe	4	0
Iteration Plan week 1	1	2	Complete		1	Felipe	4	0
Jira Board	1	2	Complete		1	Felipe	4	0
Git Repository	1	2	Complete		1	Felipe	4	0

Issues

Issue	Status	Notes

Evaluation criteria

- Project Plan is complete
- First Iteration Plan is complete
- Jira board is complete
- Git Repository Basic Structure is complete

Assessment

Assessment target	Project Plan
Assessment Date	25/02/2021
Participants	Felipe, Wanderlan, William, Andrey
Project Status	Green

Assessment target	Git Repository Basic Structure
Assessment Date	25/02/2021
Participants	Felipe
Project Status	Green

Assessment target	Jira Board
Assessment Date	25/02/2021
Participants	Felipe
Project Status	Green

2.2 Sprit 2

Key Milestone

Milestone	Date
Iteration start	05/03/2021
Modelo de casos de uso (use-case model)	
Descrição da arquitetura do software (architecture notebook)	
Teste fumaça (smoke test)	
Glossary	
Iteration stop	17/03/2021

High-level objectives

- Delivery use-case model
- Delivery Smoke test
- Delivery architecture notebook
- Delivery Glossary

Work Item assignments

The following Work Items will be addressed in this iteration:

Name	Priority	Size estimate (points)	State	Reference material	Target iteration	Assigned to	Hours worked	Estimate of hours remaining
Use Case model	1	4	On Work		2	Wanderlan	0	8
Smoke Test	1	4	On Work		2	Andrey	0	8
Architecture Notebook	1	4	On Work		2	Willian	0	8
Glossary	1	4	On Work		2	Felipe	0	8

Issues

Issue	Status	Notes

Evaluation criteria

Assessment

Assessment target	Use case Model
Assessment Date	
Participants	Wanderlan
Project Status	

Assessment target	Smoke Test
Assessment Date	
Participants	Andrey
Project Status	

Assessment target	Architecture Notebook
Assessment Date	
Participants	Willian
Project Status	

Assessment target	Glossary
Assessment Date	
Participants	Felipe
Project Status	

Chapter 3

Architecture Notebook

Purpose

Este processo de elaboração de software tem como filosofia a assertividade, velocidade, a boa qualidade, cumprimento de prazos estipulados, cumprimento integral das atividades delegadas para os colaboradores, além da eficiência e eficácia.

Foi decidido separar todo o desenvolvimento para os quatro colaboradores deste projeto, cada um com funções definidas, há um gerente de projeto, um arquiteto de software, um analista e um testador, com algumas restrições, todos devem se ajudar de acordo com o possível, porém sem que isso interfira no seu trabalho e sem tomar para si as tarefas de terceiros, buscando assim a maior velocidade e eficiência possível ao projeto a ser desenvolvido.

Com isso, a ferramenta a ser desenvolvida tem o papel de facilitar o uso de anunciamento de aluguéis, negociações e cobranças, com a apresentação de propostas e descrição dos imóveis.

Architectural goals and philosophy

O objetivo é construir um software que preste suporte ao aluguel de imóveis, sendo que proprietários podem anunciar, com várias informações sobre o objeto em questão, o interessado pode fazer propostas e conversar diretamente com o proprietário. Este dois precisando ser autenticados para tais funções, contendo dados pessoais para a sua precisa identificação em caso de imprevistos.

O software precisa ser capaz de entregar uma boa performance em qualquer dispositivo a ser utilizado, seja um computador potente ou fraco, uma vez que não é possível cobrar que o proprietário ou interessado tenha um bom hardware para executar o software, apenas requisitos mínimos, também deve ter um visual compreensivo, fácil de ser usado, moderno e leve, as-

sim evitando engasgos à aplicação que poderiam ser evitados. É necessário também que o software seja capaz o suficiente para comportar futuras atualizações pedidas pelos usuários do serviços e que façam sentido a proposta da aplicação.

Um problema que pode se tornar crítico é o de um proprietário ter várias propostas a se analisar e também muitos imóveis já alugados, é preciso fazer com que seja facilitada a visualização dos imóveis de maneira sucinta, para que possa se identificar de pronto de qual imóvel se trata e qual a condição dele.

Architectural Mechanisms

É necessário também a identificação de mecanismos arquitetônicos, que nada mais são que soluções comuns para problemas comuns.

1 - Uma boa listagem de imóveis.

É necessário que os imóveis listados sejam adequados para os interessados, com base na sua pretensão de pagamento, localização do interessado e do imóvel, se tem estrutura para crianças ou para animais domésticos, no geral, suporte a filtros pré-aplicados.

2 - Visualização do preço do aluguel

Omitir do interessado o preço mínimo do aluguel informado pelo proprietário, e exibir apenas o desejado, se não há motivos para o interessado oferecer mais do que o mínimo, e então, assim, o proprietário só teria propostas com o valor mínimo, tornando a negociação bastante prejudicada.

Chapter 4

Smoke test

The following tests are divided into 4 categories:

1. Log in system tests
2. Property tests
3. Bid tests
4. General Services

1.1 – Can create user

Description : A properly filled sign up form is submitted. It's expected that a new user's account gets created on the database.

Pre-conditions : There must be no other account with the same email on the database.

Post-conditions : All of the new account's information should be inserted on the database and the user should be able to log in with them.

Data required : Valid email, phone number, name and password.

1.2 – Can log in

Description : A properly filled sign in form is submitted. It's expected that the authenticated user can now access his account's information.

Pre-conditions : There must be an existing account on the database to log in.

Post-conditions : The user should be now authenticated and should be able to use the system's services.

Data required : Registered account with valid email, phone number, name and password.

1.3 – Can delete account

Description : An authenticated user tries to delete his account. It's expected that the user's information gets deleted from the database along with all associated bids and registered properties.

Pre-conditions : There must be an authenticated user and whose account information is properly registered with the bank

Post-conditions : There should be nothing left from that user on the database.

Data required : Registered account with valid email, phone number, name and password, there may be bids or properties associated with the account.

2.1 - Can register property

Description : An authenticated user submits a properly completed property registration form. A new property is created in the database associated with that user.

Pre-conditions : The user must be authenticated and must provide every information on the property registration form.

Post-conditions : A new property and its details should be created in the database.

Data required : Property class, description, address, maximum number of guests, start date of the availability period, end date of the availability period, and minimum daily rate.

2.2 – Can delete property

Description : An authenticated user tries to delete a property registered by him. That property and its associated bids should be deleted from the database.

Pre-conditions : The authenticated user must have a registered property.

Post-conditions : The property and its associated proposals should have been excluded from the database.

Data required : Previously registered property.

2.3 – Can edit property details

Description : An user tries to edit the details of one of its properties. The database should be updated with the new data.

Pre-conditions : The authenticated user must have a registered property.

Post-conditions : The property and its details should have been updated on the database.

Data required : Previously registered property.

2.4 – Can list associated bids

Description : An authenticated user tries to list every bid associated with his property.

Pre-conditions : The authenticated user must have a registered property and at least one associated bid.

Post-conditions : A list of bids should be displayed.

Data required : Previously registered property with at least one associated bid.

2.4.1 – Can see bids details

Description : An authenticated user tries to see the details of one bid associated with his property. A list with those details should be shown.

Pre-conditions : Test 2.4 must have been successful.

Post-conditions : The bid's details should be displayed.

Data required : Previously registered property with at least one associated bid.

3.1 – Can register proposal

Description : An authenticated user submits a properly completed proposal registration form associated to a property. A new proposal associated to that property should be created in the database.

Pre-conditions : The user must be authenticated and must provide every information on the proposal registration form.

Post-conditions : A new associated proposal should be created in the database.

Data required : Rental period start date, rental period end date, guests number, proposed daily rate.

3.2 – Can list proposals

Description : An authenticated user tries to list his registered proposals. A list of proposals should be displayed.

Pre-conditions : The authenticated user must have a registered proposal.

Post-conditions : A list of proposals should be displayed.

Data required : Previously registered proposal.

3.2.1 – Can see proposal details

Description : A authenticated user tries to see the details of one his registered proposals. A list with those details should be shown.

Pre-conditions : Test 3.2 must have been successful.

Post-conditions : A list with the proposal details should be displayed.

Data required : Previously registered proposal.

3.2.2 – Can delete proposal

Description : An authenticated user tries to delete one of his registered proposals. That proposal and its details should be excluded from the database.

Pre-conditions : The authenticated user must have a registered proposal.

Post-conditions : There should be no more data about that proposal in the database.

Data required : Previously registered proposal.

4.1 – Can list properties

Description : An user tries to list all properties. It's expected that a list of properties gets displayed.

Pre-conditions : There must be at least one property registered in the system.

Post-conditions : A list of properties is shown.

Data required : Previously registered properties.

4.1.1 – Can see property details

Description : An user tries to see a property details. A list of those details should be displayed.

Pre-conditions : Test 4.1 must have been successful.

Post-conditions : A list of details should be displayed.

Data required : Previously registered property.