

SPRINT REPORT FOUR

Prepared for :

Land Commission

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FUNCTIONALITY

1. At the end of this iteration, we implemented the feature of being able to view all available lands that are available for purchase, alongside their respective details about the land.
2. In addition, the ability for both the seller and buyer to choose their preferred method of payment.
3. For the scenario where both parties decide to use a bank transfer as their means of selling and buying, after buyer inputs card details as a means to make payment, when the card details have been verified by merchant site through payment gateway and payment has also been approved, both the seller and buyer gets a verification receipt to prove that transaction was successful

USER STORIES IMPLEMENTED

1. All User Stories under **Buying Land**
2. All User Stories under **Market Place**

ADDITIONS / CHANGES

We removed the In-App Messaging functionality, as well as we decided to take out the User Stories under **Registry** and **Ratings**. We also decided to add the Verification User Stories which were not added to the Sprint 3. Unfortunately we weren't able to add it to this Sprint. But we will implement it before the Presentation. The User Stories that were removed will be added later on.

LESSON LEARNT

Lesson: The further we got in the development process of our project the more apparent Hofstadter's law became in our project. Hofstadter's law is defined as a self-referential adage, that basically describes the popular experienced difficulty of being able to accurately estimate the time it will take to complete a task of substantial complexity. "It is often said that It always takes longer than you expect, even when you take into account Hofstadter's Law". This was very apparent in our development process; we had taken measures such as using Fibonacci numbers to represent the sizes of our user stories in a relative manner, in which we took into consideration that mishap may arise in the development process, from our hands-on experience we quickly realized that the implementations of some user stories had far exceeded our assumed time of completion. Some of the causes of this have been a lack of adequate programming skills from our end, the cause of a pandemic having an effect

on our communication process or even machine difficulty problems faced by some members of the team. These were all not foreseen events that have made the development process longer than estimated. The lesson learnt here is that Hofstadter's law is very present in the development of software and should be taken into consideration when planning out a project.

What we will do differently: To be more aware of Hofstadter's law in the software development process and to actively apply Hofstadter's law in every stage of the development process such as when designing the product backlogs or selecting the specific user stories to be implemented in specific a software development sprint. This would help us in making room for unforeseen issues such as lack of skill in the implementation of a particular user story or even national disasters such as a pandemic altering our development process plans.

USER STORIES LEFT UNIMPLEMENTED IN THE BACKLOG

1. **All User Stories** under **Verification**
2. **User Story 3** under **Payment**

USER STORIES WE WOULD LIKE TO ADD

USER STORY 12

As a customer, I would like to be able to communicate with the seller on the platform incase I have any enquiries about the land .

USER STORY 13

As a customer, I want to be able to bookmark specific land ads that are displayed on the platform. This would give me the ability to have a sub catalogue that contains only ads that I am interested in.

USER STORY 14

As a user, I want to know if a particular ad is being sold by an agent or trying to be bought by a land agent as well. This is to help both buyers and sellers to know if a middle man is involved in order to help negotiations

USER STORY 15

As a seller, when my request is sent for verification. I want to be given an auto generated request ID. This can be used later on incase I want to follow up on my verification process

USER STORY 16

As a seller, I want to be able to both rate a land surveyor based on my experience and also view a land surveyors stat from previous jobs, such as number of times hired for a survey. This is to help me on deciding which land surveyor to choose for a particular job as well as understand the rate provided