**T-Shirt Sizing Table (columns = time, rows = cost)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **1 - 2 weeks** | **2 weeks - 1 month** | **1 month+** |
| **Low** | Small | Small | Medium |
| **Medium** | Small | Medium | Large |
| **High** | Medium | Medium | Large |

Large

* As a consumer, I want the security of the system to adhere to the ISO 270002 so that I don’t lose my money for unnecessary reasons.
* As an employee of Colesworth, I want AfterPay to assume all credit and fraud risk so that there is a decreased risk for Colesworth.
* As a consumer of Colesworth I want to be able to use the system at the cashiers, online, and for self service transactions so that I can use Afterpay at all points of transaction in the store.
* As an employee of Colesworth, I want there to be a trial of 50,000 online user to take place at the same time as the CBD in-store trial so that the system is sufficiently tested.
* As an employee of Colesworth, I want the trials to test the self-service, assisted checkout and online system so that the trial can cover all bases of the system.
* As an employee of Colesworth, I want the national rollout to include the online system as well as the in-store system so that many of the consumers can experience all aspects of the system.
* As an employee of Colesworth, I want the usage of Afterpay to be at least 20% of the transactions so that I can see that the system is being used.
* As an employee of Colesworth, I want the national weekly average of customer transactions to be sixty million so that I can see that the system is being used.
* As an employee of Colesworth, I want the system to be built within a budget of $500,000 for the trial so that the system is profitable.
* As an employee of Colesworth, I want the system to be built within a budget of $200,000 for the national rollout so that the system is profitable.

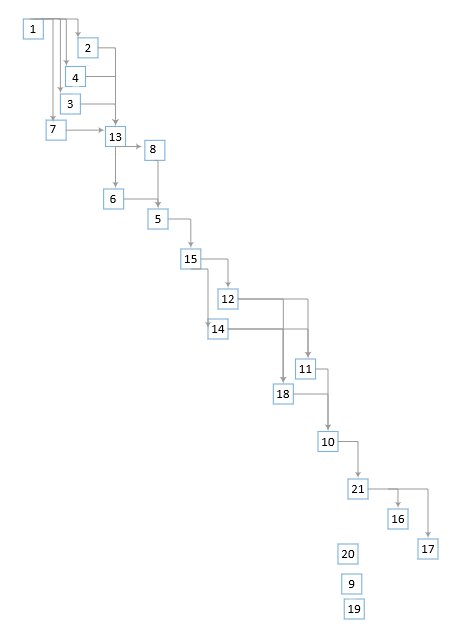
Medium

* As a customer, I want the system to be able to successfully complete my transactions both online and at Colesworth retailers so I can purchase my goods using card payment
* As a non-technical consumer, I want the afterpay system to be easy to use and clear to understand so that I can save more time on paying.
* As an employee of Colesworth, I want the system to be able to handle large amounts of concurrent transactions so that consumers don’t lose their money.
* As a consumer, I want to be able to refund products so that if I am unsatisfied with the product I have bought, I can return the product and get my money back.
* As an employee of Colesworth, I want the system to process transactions quickly so that there isn’t a backlog of consumers waiting to pay for their goods
* As an administrator of the Afterpay system, I want to be able to access all employee’s level of access, so that I may amend any access when someone is promoted or resigned
* As an administrator of the Afterpay system, I want the authority of modifying the data, so that I can do system maintenance regularly.
* As a customer with a disability, I want the system to have features that make Afterpay easier to use
* As a customer, I want the system to have help functions on the online and self-service interface so that I am able to quickly receive help in using the system when I need it.
* As a consumer, I want the system to recover 50% of the POS terminals in 5 minutes, 75% in 30 minutes and 100% in 1 hour during peak times so that I don’t have to wait long to use the system.
* As a consumer, I want the self checkout and assisted checkout to be available during store hours

Small

* As a consumer, I want to be able to pay back the money in fortnightly installments so that I can pay back the money in time.
* As an administrator of the Afterpay system, I want to be able to view the system’s history and transactions, so that I may keep track of the revenue of the business.
* As an employee of Colesworth, I want my password to be hidden so that unauthorized personals cannot view my password to login later on.
* As an employee of Colesworth, I want the consumers to be able to pay using various cards so that we can have a wide variety of consumers.
* As an administrator, I want to be able to shutdown the system, so that the system can avoid to take more risks after emergency situations.
* As an employee of Colesworth, I want Afterpay to pay us a commission of 1.25% of all transactions so that we can make profit
* As an employee of Colesworth, I want the training of all affected staff to be completed two weeks before deployment so that there are staff that know how to use the system during the trial.

Dependency Graph



**MVP (release date: 12/04/2019)**

|  |  |  |
| --- | --- | --- |
| **Node** | **User Story** | **Priority** |
| 2 | As a consumer, I want the security of the system to adhere to the ISO 270002 so that I don’t lose my money for unnecessary reasons | Very High |
| 6 | As an employee of Colesworth, I want AfterPay to assume all credit and fraud risk so that there is a decreased risk for Colesworth | High |
| 13 | As a consumer of Colesworth I want to be able to use the system at the cashiers, online, and for self service transactions so that I can use Afterpay at all points of transaction in the store | High |
| 1 | As a customer, I want the system to be able to successfully complete my transactions both online and at Colesworth retailers so I can purchase my goods using card payment | Very High |
| 3 | As a non-technical consumer, I want the afterpay system to be easy to use and clear to understand so that I can save more time on paying | Very High |
| 7 | As an employee of Colesworth, I want the system to be able to handle large amounts of concurrent transactions so that consumers don’t lose their money | Very High |
| 10 | As an employee of Colesworth, I want the system to process transactions quickly so that there isn’t a backlog of consumers waiting to pay for their goods | Low |
| 14 | As an administrator of the Afterpay system, I want to be able to access all employee’s level of access, so that I may amend any access when someone is promoted or resigned | Medium |
| 15 | As an administrator of the Afterpay system, I want the authority of modifying the data, so that I can do system maintenance regularly | Medium |
| 11 | As a customer, I want the system to have help functions on the online and self-service interface so that I am able to quickly receive help in using the system when I need it | High |
| 20 | As a consumer, I want the self checkout and assisted checkout to be available during store hours | Low |
| 21 | As a consumer, I want the system to recover 50% of the POS terminals in 5 minutes, 75% in 30 minutes and 100% in 1 hour during peak times so that I don’t have to wait long to use the system | Medium |
| 4 | As a consumer, I want to be able to pay back the money in fortnightly installments so that I can pay back the money in time | Very High |
| 5 | As an administrator of the Afterpay system, I want to be able to view the system’s history and transactions, so that I may keep track of the revenue of the business | High |
| 8 | As an employee of Colesworth, I want my password to be hidden so that unauthorized personals cannot view my password to login later on | High |
| 12 | As an administrator, I want to be able to shutdown the system, so that the system can avoid to take more risks after emergency situations | High |
| 16 | As an employee of Colesworth, I want there to be a trial of 50,000 online user to take place at the same time as the CBD in-store trial so that the system is sufficiently tested. | Low |
| 17 | As an employee of Colesworth, I want the trials to test the self-service, assisted checkout and online system so that the trial can cover all bases of the system. | Low |
| 18 | As the manager of Colesworth, I want the system to close at the end of the day so that I may get feedback from today’s earnings | High |
| 19 | As a stakeholder of Colesworth, I want to keep the budget of maintaining the Afterpay system low so it will provide more net profit. | Medium |
| 9 | As a consumer, I want to be able to refund products so that if I am unsatisfied with the product I have bought, I can return the product and get my money back. | Low |

Release Plan

Iteration 1 (2 months)

* **(2)** Be a somewhat secure system
* **(1)** Complete transactions both online and in retailers
* **(4)** Allow customers to pay in fortnightly installments
* **(3)** Allow the system to be easy to use for non technical customers
* **(7)** System can now handle very large amounts of concurrent transaction
* Cut off date: 2 months after start of project

Iteration 2 (2 months)

* **(13)** Have a working system both online and in store
* **(6)** An even more secure system which now assumes that all credit and fraud risk
* **(8)** Allow employees to have hidden passwords
* **(5)** Allow administrators to be able to view the systems history and transactions
* Cut off date: 2 months

Iteration 3 (1 months)

* **(14)** Allow admins to have access to amending employee’s level access
* **(12)** Administrators able to shut down system for emergency situations
* **(15)** Allow administrators to be able to modify data for maintenance
* **(11)** Allow consumers to pay with various cards
* **(18)** Able to shut down system to get feedback of the day’s earnings
* Cut Off Date: 2 months

Iteration 4 - Finalizing stage (1 month)

* **(9)** Allow customers to refund their goods at Colesworth
* **(10)** Process transactions quickly
* **(16)** Have both an online and instore trial
* **(17)** The trial should test all aspects of the system (self service checkout, assisted checkout and online)
* **(20)** The system should be available during store hours
* **(21)** Recovery if POS terminals fail should be reasonable
* **(19)** Build the project within budget
* System should now be 100% secure
* Resolve any crashes / bug fixes
* Get consumer and Colesworth feedback on the service
* Cut Off Date: 3 months

The teams project velocity will be managed throughout the project by ensuring we complete as many user stories in each subsequent stage compared to the first stage. Our first stage of our MVP has a total of 4 user stories that are to be completed. Therefore in order to maintain our current velocity we should strive to achieve 4 or more user stories for each subsequent stage. However we imagine that there will be changes to our velocity throughout the project due to unforeseen circumstances or potential risks having an adverse effect on the project completion. In this case there will be a team re-estimate of how many user stories should be completed in the next stage in order to create a usable product that adds additional value to any previous stages. Therefore by considering our project velocity in terms of consistent completion of user stories we will be able to manage our team progress in the long term to provide a suitable product for Colesworth.