

3. PRODUCT BACKLOG

Version: 2.0

Date: 11/17/2019

User Story ID	Priority <High/Medium/low>	Story Points	Size (Hours)	Sprint <#>	Status <Planned/In progress/done>	Release Date	Release Goal
1	Medium	21	6	1	Done	15/9/2019	Chage the value of a content in the blockchain
2	Low	12	6	2	Done	10/1/2019	Create the datastructure for the discount coupon
3	High	7	7	3	Done	10/22/2019	Add retailer
4	High	7	7	3	Done	10/22/2019	Add product
5	High	7	7	3	Done	10/22/2019	Add coupon
6	Medium	4	5	4	Done	11/4/2019	Generate and publish Coupon
7	High	7	6	4	Done	11/9/2019	Create the testing environment
8	Medium	8	3	5	Done	11/14/2019	Ether transfer for payment
9	High	9	8	5	Done	11/14/2019	Verify the discount Coupon
10	High	9	5	5	Done	11/14/2019	Complete UI

6. SPRINT BACKLOG

Sprint: #1

Version: 1.0

Sprint Dates: 9/9/2019 - 9/15/2019

Sprint Goal: The basic working of using blockchain

Backlog Item	Story Points	Responsible	Status and Completion date	Original Estimate in hours	Day 1 <Date>	Day 2 <Date>	Day 3 <Date>	Day 4 <Date>	Day 5 <Date>	Day 6 <Date>	Day 7 <Date>	Done <Y/N> to be filled by Scrum Master
User Story #1	21				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
UI to update a no. in blockchain	5	Varna	Completed, 09/11/2019	2	1	1	1	0				Y
Define the datastructure in smart contract	8	Aswin	Completed, 09/14/2019	2	2	2	2	2	1	1		Y
Initialise connection with Ganache using web3	8	Vyshak	Completed, 09/15/2019	1	2	2	2	2	1	1	2	Y
Total	21			5	5	5	5	4				

Remaining Story Points: 70

Signature of Scrum Master

6. SPRINT BACKLOG

Sprint: #2

Version: 1.0

Sprint Dates: 9/24/2019 - 10/1/2019

Sprint Goal: The working datastructure of coupon

Backlog Item	Story Points	Responsible	Status and Completion date	Original Estimate in hours	Day 1 <Date>	Day 2 <Date>	Day 3 <Date>	Day 4 <Date>	Day 5 <Date>	Day 6 <Date>	Day 7 <Date>	Done <Y/N> to be filled by Scrum Master
User Story #2	12				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
UI Design	3	Vyshak	Completed, 09/26/2019	2	0	0	2	0	0	0	0	Y
Define the datastructure in smart contract	5	Varna	Completed, 09/26/2019	2	0.5	0.5	1	0	0	0	0	Y
Deploy the contract	4	Aswin	Completed, 09/28/2019	2	0	0	0	0	2	0	0	Y
Total	12			6	0.5	0.5	3	0	2	0	0	

Remaining Story Points: 58

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6. SPRINT BACKLOG

Sprint: #3

Version: 1.0

Sprint Dates: 10/15/2019 - 10/22/2019

Sprint Goal: Setup the retail chain

Backlog Item	Story Points	Responsible	Status and Completion date	Original Estimate in hours	Day 1 <Date>	Day 2 <Date>	Day 3 <Date>	Day 4 <Date>	Day 5 <Date>	Day 6 <Date>	Day 7 <Date>	Done <Y/N> to be filled by Scrum Master
User Story #3	7				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
UI Design	2	Vyshak	Completed, 10/17/2019	2	0	0	2	0	0	0	0	Y
Define smart contract	5	Vyshak	Completed, 10/17/2019	2	0.5	0.5	1	0	0	0	0	Y
User Story #4	7				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
UI Design	2	Varna	Completed, 10/17/2019	2	0	0	2	0	0	0	0	Y
Define smart contract	5	Varna	Completed, 10/17/2019	2	0.5	0.5	1	0	0	0	0	Y
User Story #5	7				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
UI Design	2	Aswin	Completed, 10/17/2019	2	0	0	2	0	0	0	0	Y
Define smart contract	5	Aswin	Completed, 10/17/2019	2	0.5	0.5	1	0	0	0	0	Y
Total	21			12	1.5	1.5	9	0	0	0	0	

Remaining Story Points: 37

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6. SPRINT BACKLOG

Sprint: #4

Version: 1.0

Sprint Dates: 10/28/2019 - 11/04/2019

Sprint Goal: Generate and publish Coupon

Backlog Item	Story Points	Responsible	Status and Completion date	Original Estimate in hours	Day 1 <Date>	Day 2 <Date>	Day 3 <Date>	Day 4 <Date>	Day 5 <Date>	Day 6 <Date>	Day 7 <Date>	Done <Y/N> to be filled by Scrum Master
User Story #6	4				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Genereate hash of code and create a mapping to a index	2	Aswin	Completed, 10/30/2019	3	0	1	2	0	0	0	0	Y
Generate QR code	2	Varna	Completed, 10/30/2019	2	0.5	0.5	1	0	0	0	0	Y
User Story #7	7				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Create testing evnironment	7	Vyshak	Pending, 11/04/2019	6	1	1	1	1	2	2	3	N
Total	11			11	1.5	2.5	4	1	2	2	3	

Remaining Story Points: 26

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6. SPRINT BACKLOG

Sprint: #5

Version: 1.0

Sprint Dates: 11/07/2019 - 11/14/2019

Sprint Goal: the Code and system integration

Backlog Item	Story Points	Responsible	Status and Completion date	Original Estimate in hours	Day 1 <Date>	Day 2 <Date>	Day 3 <Date>	Day 4 <Date>	Day 5 <Date>	Day 6 <Date>	Day 7 <Date>	Done <Y/N> to be filled by Scrum Master
User Story #8	8				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Ether transfer for payment	8	Aswin	Completed, 11/09/2019	3	0	1	2	0	0	0	0	Y
User Story #9	9				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Create testing environment	7	Vyshak	Completed, 11/09/2019	5	3	1	1	0	0	0	0	Y
Verify the discount Coupon	3	Vyshak	Completed, 11/11/2019	3	0	0	0	0	3	0	0	Y
User Story #10	9				Hours	Hours	Hours	Hours	Hours	Hours	Hours	
Redesign UI	9	Varna	Completed, 11/09/2019	5	3	1	1	0	0	0	0	Y
Total	26			13	6	2	2	0	3	0	0	

Remaining Story Points: 0

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8. Testing and Validation

Version: 1.0

Test #	Date	Action	Expected Results	Actual Results	Pass? <Yes/No>
1	15-Sep	<u>Authorized update of content in blockchain</u>	Able to create the transaction	The value was updated in the blockchain as a seperate transaction	Yes
2	29-Sep	Create a disount coupon	Create and store coupons in blockchain	Coupons are sored in the blocks	Yes
3	18-Oct	Add retailer	Admin can add retailers	possible to add the retailer	Yes
4	18-Oct	Add product	Admin can add product	possible to add the product	Yes
5	18-Oct	Add discount	retailer can add discount	possible to add the discount	Yes
6	30-Oct	Generate Hash and perform mapping	Can retrieve the hash using mapping	The hash value can be retrieved using the index in mapping	Yes
7	9-Nov	Verify the coupon	Retailer can verify the coupon	Able to verify the genuinity of the coupon	Yes

Approval by Scrum Master