

HOPSHOP presents...

GetIt

A solution to all your shopping results

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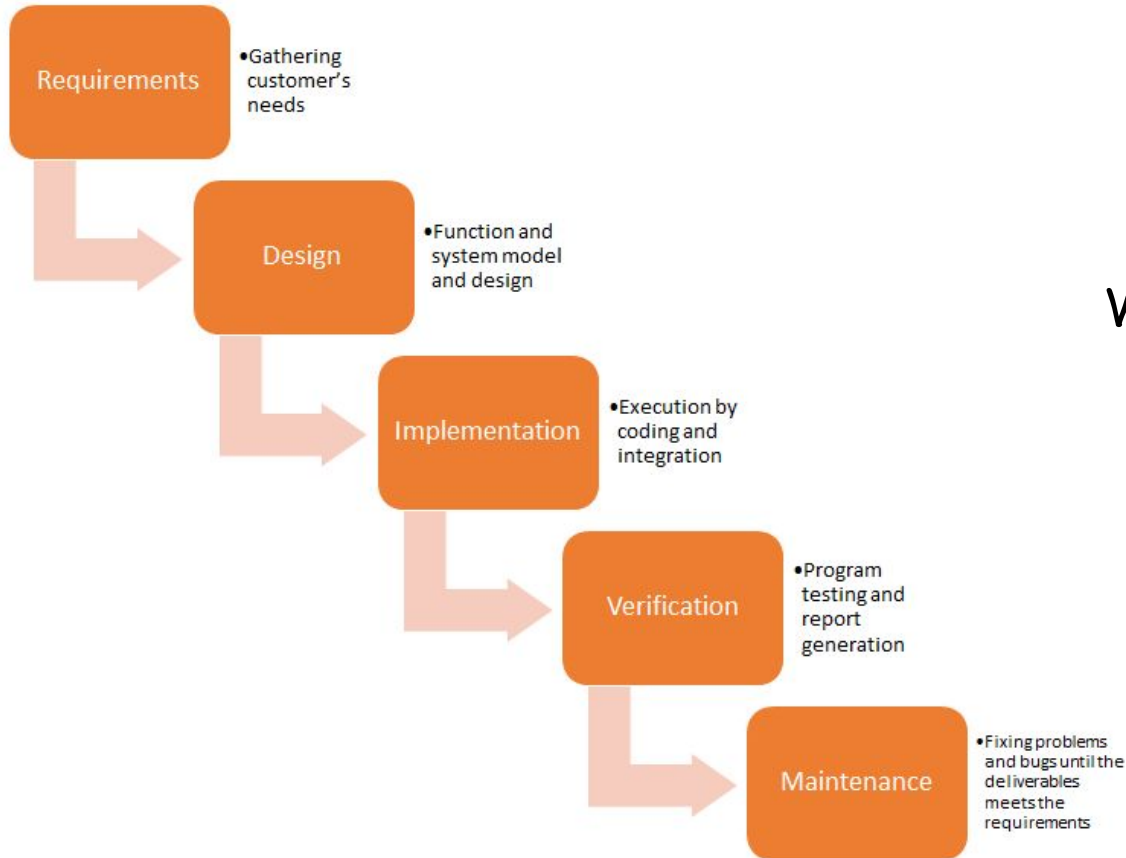
Our Hopsion- your option

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Development process

3



Waterfall Software Model

Why get GetIt

4



Why get GetIt

5



be accessed from web browsing or as a mobile application



Why get GetIt

6



Who helps you Hopshop?

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Fachhochschule
Dortmund

University of Applied Sciences and Arts

Fachhochschule
Dortmund

Who helps you Hopshop?

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Business Development

- ❑ Stores account management
- ❑ Deals and discount with vendors
- ❑ Follows up and internal communication



Software Development

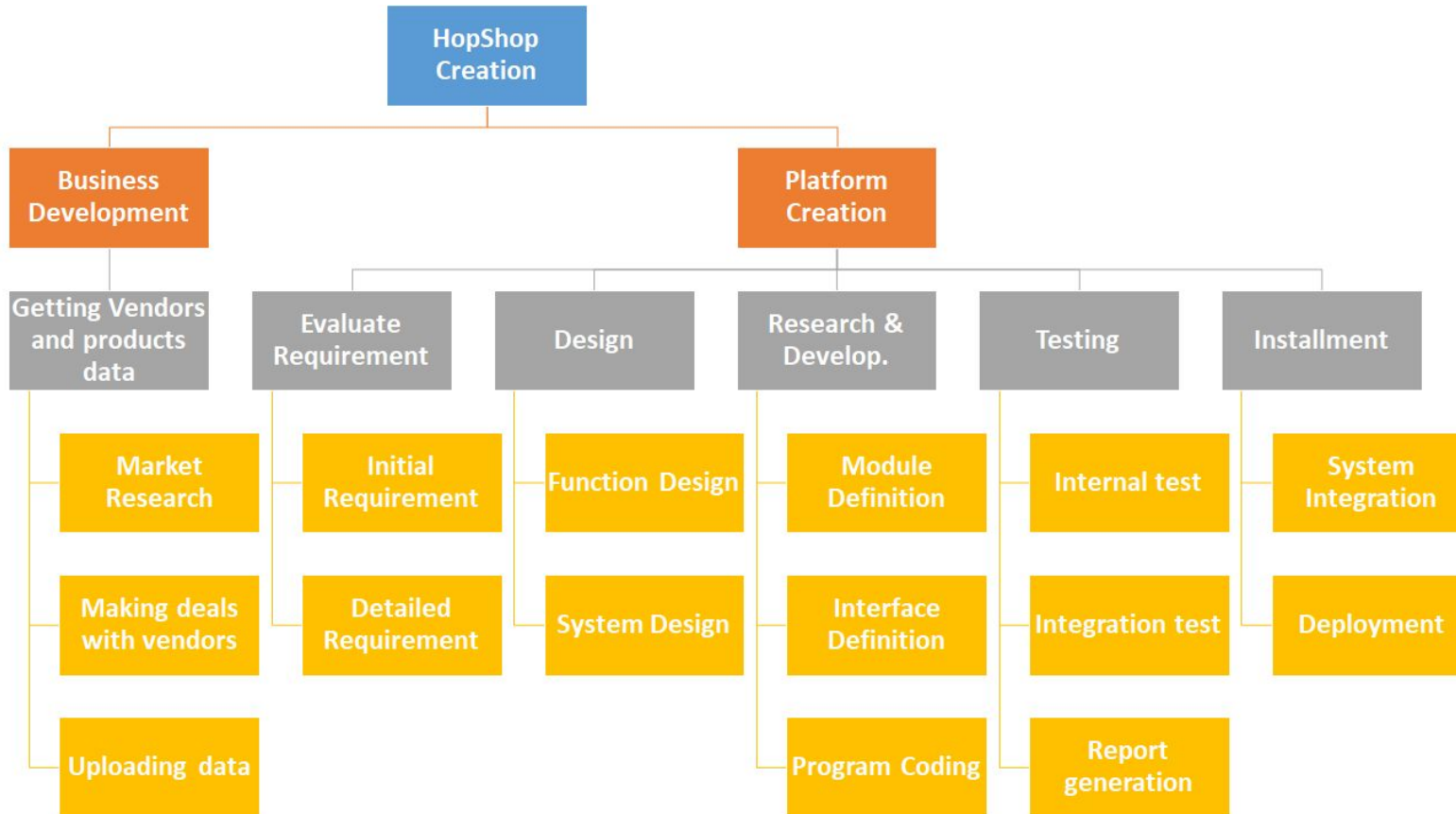
- ❑ Website and application creation
- ❑ Continuous bug fixes and development
- ❑ Internal and integration testing



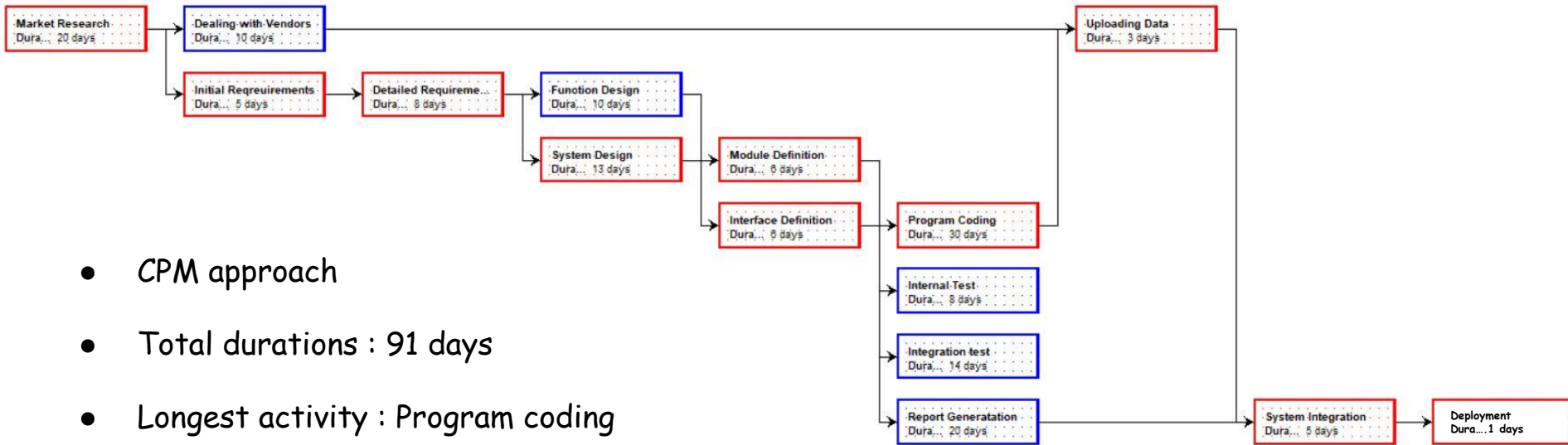
Project Management

- ❑ Holds the communication between the team
- ❑ Create the plan for the project
- ❑ Makes sure the project is within budget and on schedule

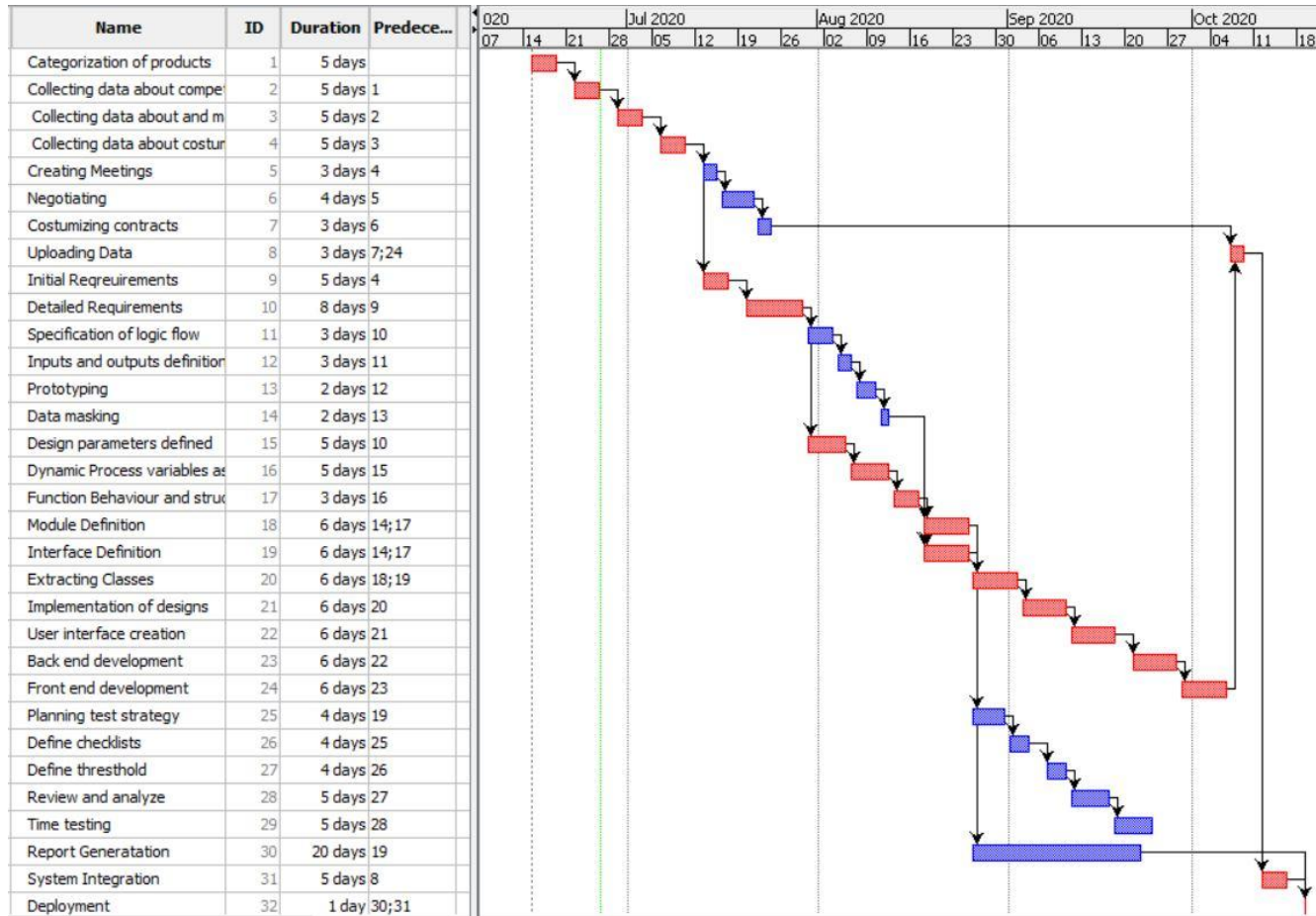
Work Breakdown Structure



Network Diagram



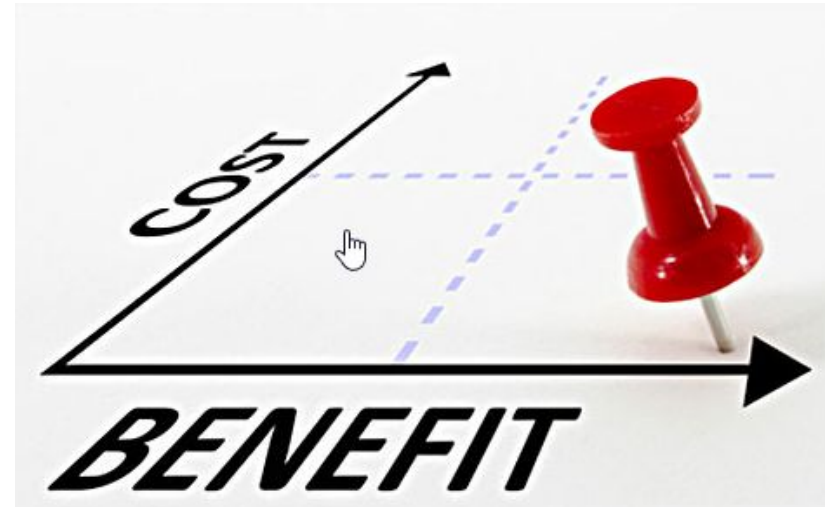
Gantt chart



Cost Analysis

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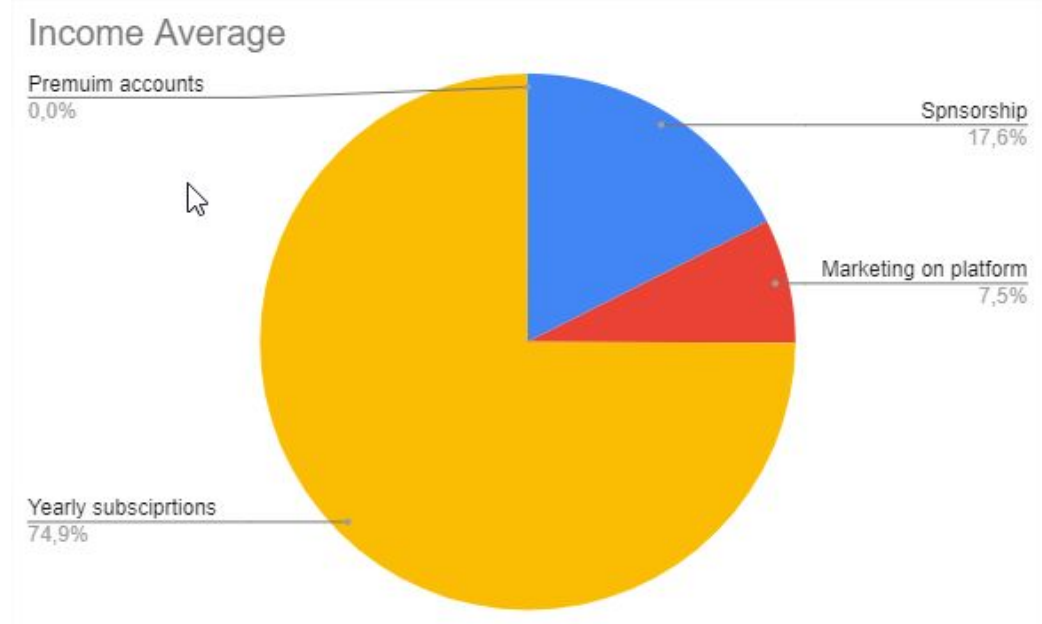
- 1) The initial cost of project is 350,000 € mainly for Computer and hardware components .
- 2) After launching the project The main expenses are labours insurances , utilities and Marketing campaigns respectively .
- 3) We have 4 main sources of Income, sponsorship, advs, subscriptions,
- 4) The project is profitable based on several metrics.



Income Analysis

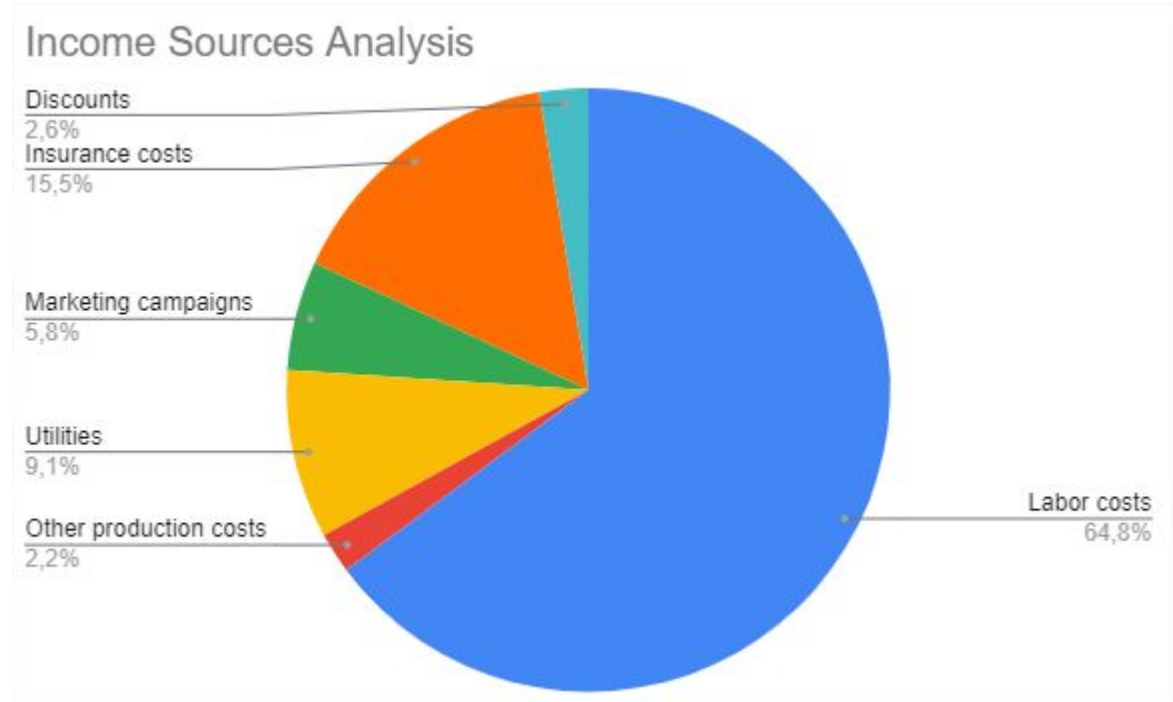
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The pie chart demonstrates
Average income contributions
Of different sources



Expenses Analysis

From chart labour
Costs are the main
expense.
Insurance costs and
Utilities are following.



Cost Analysis Measures

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After third year the project
Breaks break even point.



Assume 11% discount ratio

Cost Analysis Measures

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Initial Cost Of Project	€	350,000.00	Discount Rate	11%				
Cash in Flows	Year	0	1	2	3	4	5	
Cash In Flow		€ 741,000.00	€ 1,031,000.00	€ 1,801,000.00	€ 3,001,000.00	€ 4,801,000.00	\$ -	
PV of Cash		€ 741,000.00	€ 928,828.83	€ 1,461,732.00	€ 2,194,305.34	€ 3,162,567.41	€ -	
Culative Cash inflow		€ 741,000.00	€ 1,669,828.83	€ 3,131,560.83	€ 5,325,866.17	€ 8,488,433.57	€ 8,488,433.57	
Cash Out Flows	Year	0	1	2	3	4	5	
Cash out flows		€ 1,130,000.00	€ 1,130,000.00	€ 1,520,000.00	€ 1,520,000.00	€ 1,550,000.00	\$ -	
PV of Cash	€ 350,000.00	€ 1,130,000.00	€ 1,018,018.02	€ 1,233,666.10	€ 1,111,410.90	€ 1,021,033.01	\$ -	
Culative Cash outflow	€ 350,000.00	€ 1,480,000.00	€ 2,498,018.02	€ 3,731,684.12	€ 4,843,095.02	€ 5,864,128.03	€ 5,864,128.03	
NVP		€ (739,000.00)	€ (828,189.19)	€ (600,123.29)	€ 482,771.15	€ 2,624,305.55		
Cashflow	€ (350,000.00)	\$ (389,000.00)	\$ (99,000.00)	\$ 281,000.00	\$ 1,481,000.00	\$ 3,251,000.00	\$ -	
Benefit Cost Ratio (BCR)	€ 1.45							
NVP of Project	\$ 2,274,305.55							
IRR	58%							
ROI	39%							
Pay Back Period	4 Years							

Risk Management



Goods, household appliances, computer and mobile products will be sold using the App.



Suppliers will provide all necessary information about their products according to our specification



A cloud service provider is available within our budget.



A connection will be established with the GPS system to find the near locations for the desired product.



Number of clients requesting the service is suitable to our cloud resources (servers, storages, etc.).

Dependencies

- According to the project management institute -PMI- the modern project constraints can be defined as Shown.

We have followed this model
In our Risk evaluation process.



Risk Matrix

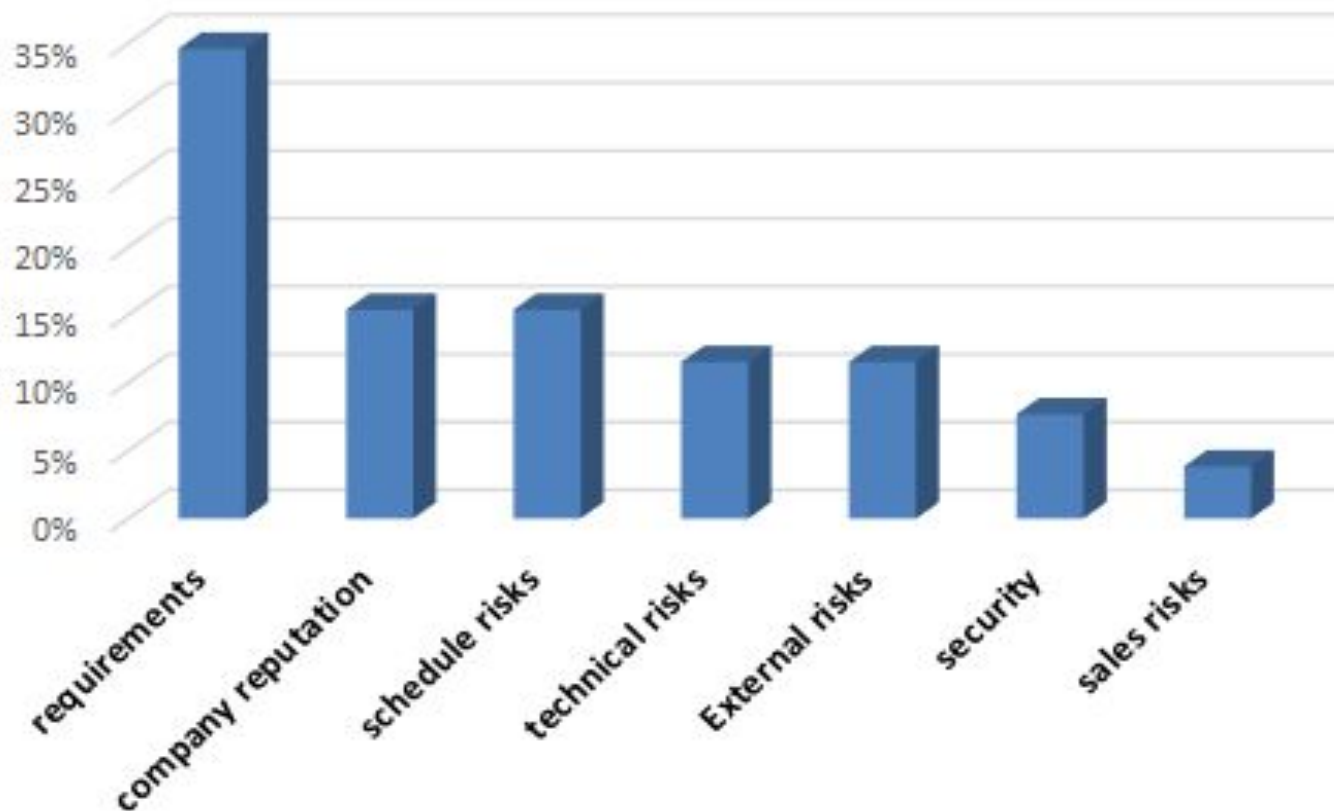
"explanatory sample"

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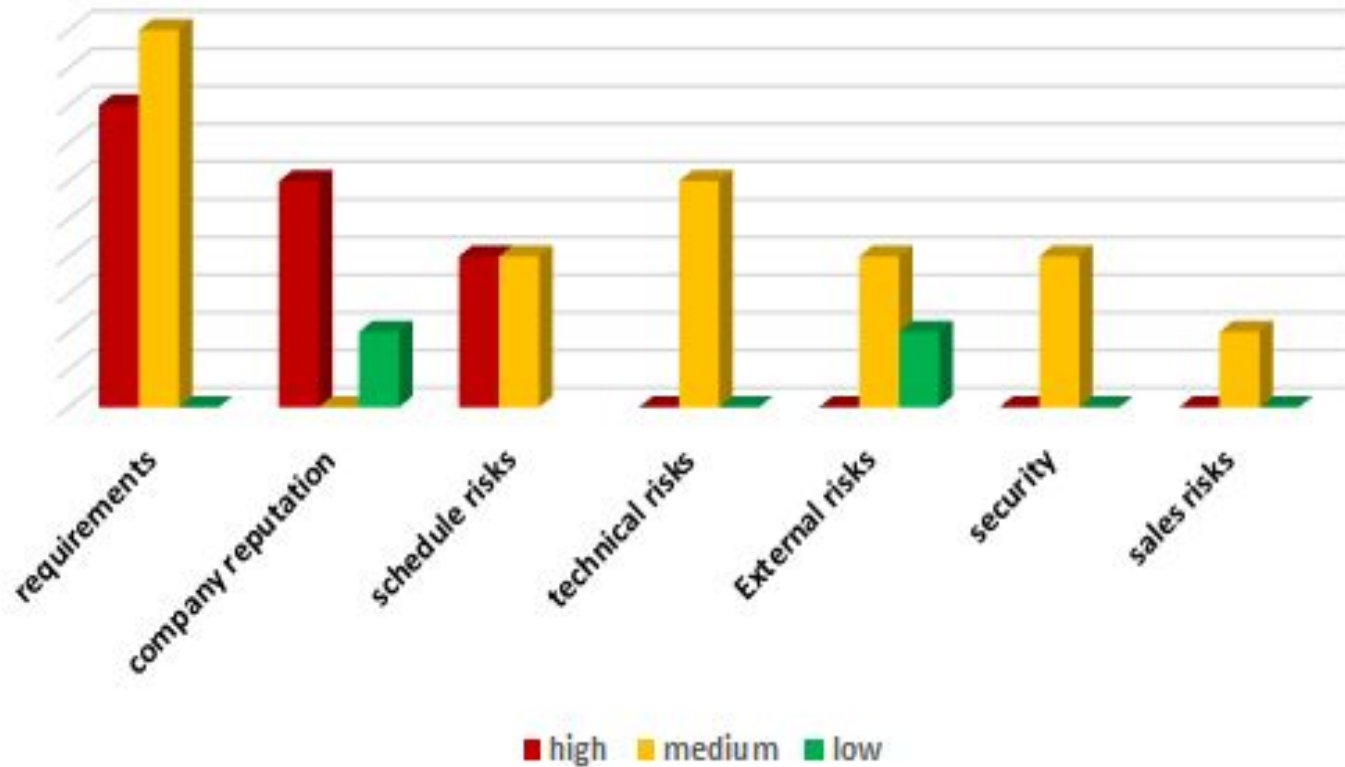
Project Name						Risk Reduction				Monitor & Control					
No	Init Date	Risk	Impact	Damage	P	Preventive action	Responsible	Date	Category	Remaining Risk	Remain P	Remain D	Remain D	Responsible	Status
R010		change in the requirements	very high	very high	25	follow the agile model in the development process and provide an incremental improvement on the product according to customer feedback.	R&D Department	until the project is closed	requirements risks	stakeholders might fail to express their requirements so despite our models and prototypes a failure could happen	medium	high	12	R&D Department	open
R012		regulation and legal issues	high	high	16	hire lawyers and specialized legal team	Legal Team	continuously	requirements risks	a legal issue still could arise	low	low	4	Legal Team	open
R016		project is behind schedule	high	high	16	monitor the scope and schedule regularly	project manager	until the project is closed	schedule risks	schedule delay could be non manageable due to lack in resources or budget	low	high	8	CEO	open
R018		the product will not meet the sponsor or customer specifications	medium	very high	15	provide a continuous contact with the stakeholder to be ware of the project development step by step and give their feedback	project manager	deployment phase	requirements risks	translation of stakeholder's feedback could be not efficient	low	medium	6	Engineering	open
R020		The product will not realize enough Return on Investment (ROI)	medium	very high	15	work on cost analysis perfectly before starting the project	Sales Department	dealing with vendors process	schedule risks	cost estimation could be wrong	low	high	8	Sales Department	open
R022		product suppliers will not provide precise details on our app	high	high	16	revise the supplier database and customer feedback and compare it with the real products in reality	Customer service	continuously	requirements risks	no risk remains	very low	very low	1	Customer service	open
R023		the customer uses the social media to criticise our product	high	high	16	provide a complaint service and a hotline for critical issues	Customer service	integration test phase	reputation	some customers will still complain	low	low	4	Customer service	open
R024		a product exist in our platform could be sold and the customer couldn't find it in reality	high	high	16	update our database frequently by coordination with our suppliers	project coordinator	continuously	reputation	it might happen that the customer goes to buy a sold-out product before our data	very low	low	2	project coordinator	open
R025		fake reviews	high	high	16	monitor the review settings that no one can pass a review without using our service to buy a product	IT Department	integration test phase	reputation	no risk remains	very low	very low	1	IT Department	open

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Risk categories regarding to quantity

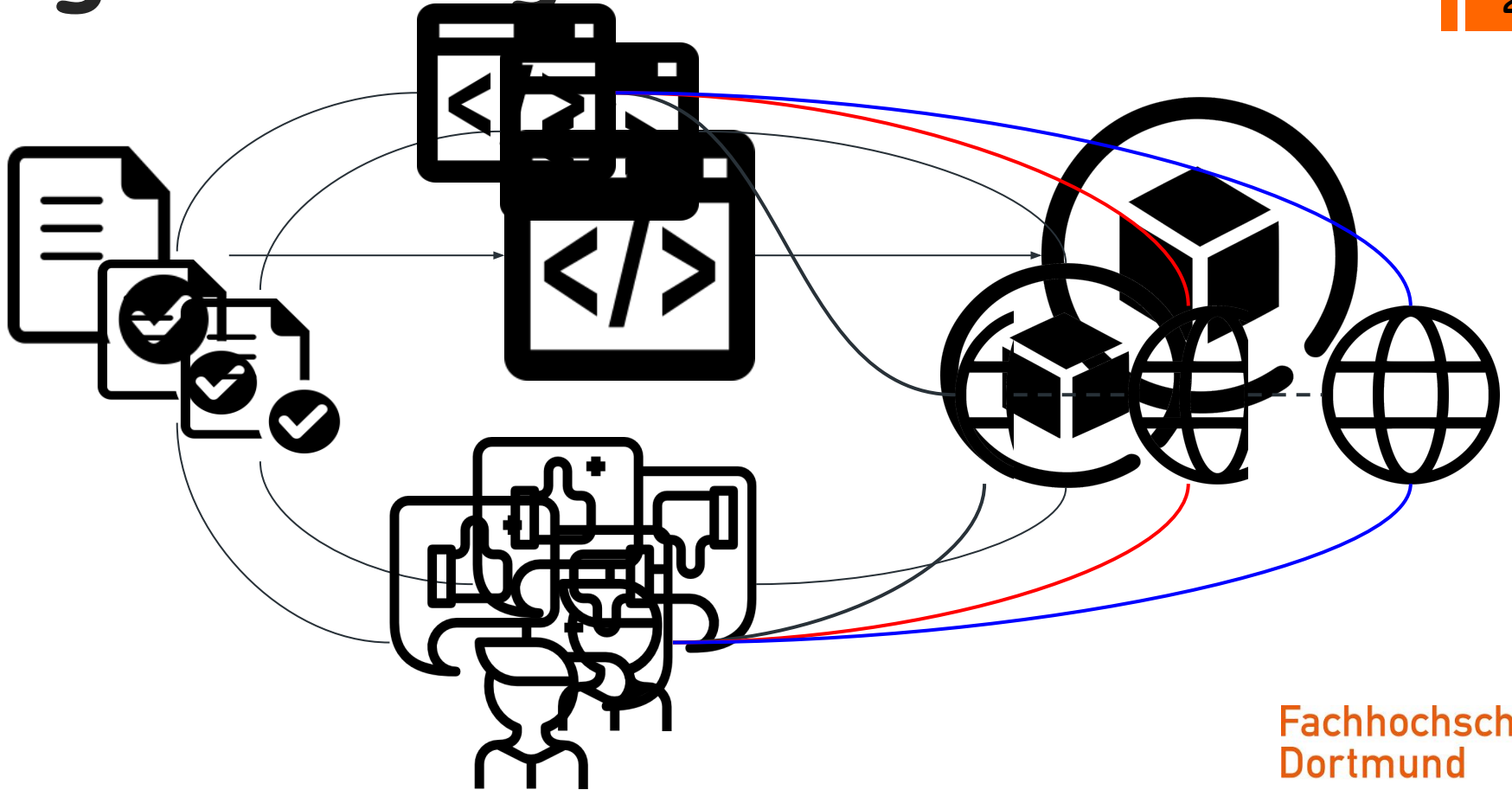


Risk category regarding to impact



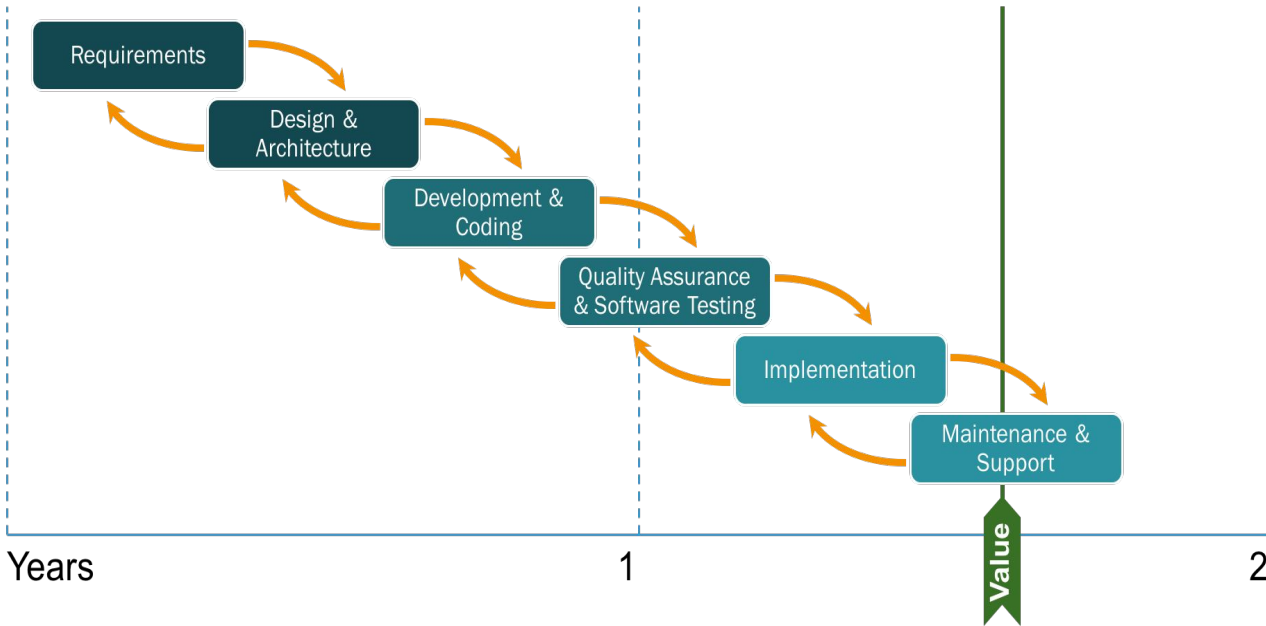
Agile management

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Scrum

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An agile framework for developing, delivering, and sustaining complex products

This uses specific roles, events, meetings, and increments to deliver a usable product in a specific time frame

Scrum Team

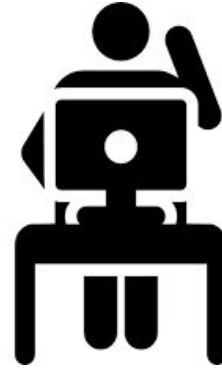
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Scrum Master



Product Owner



Development team

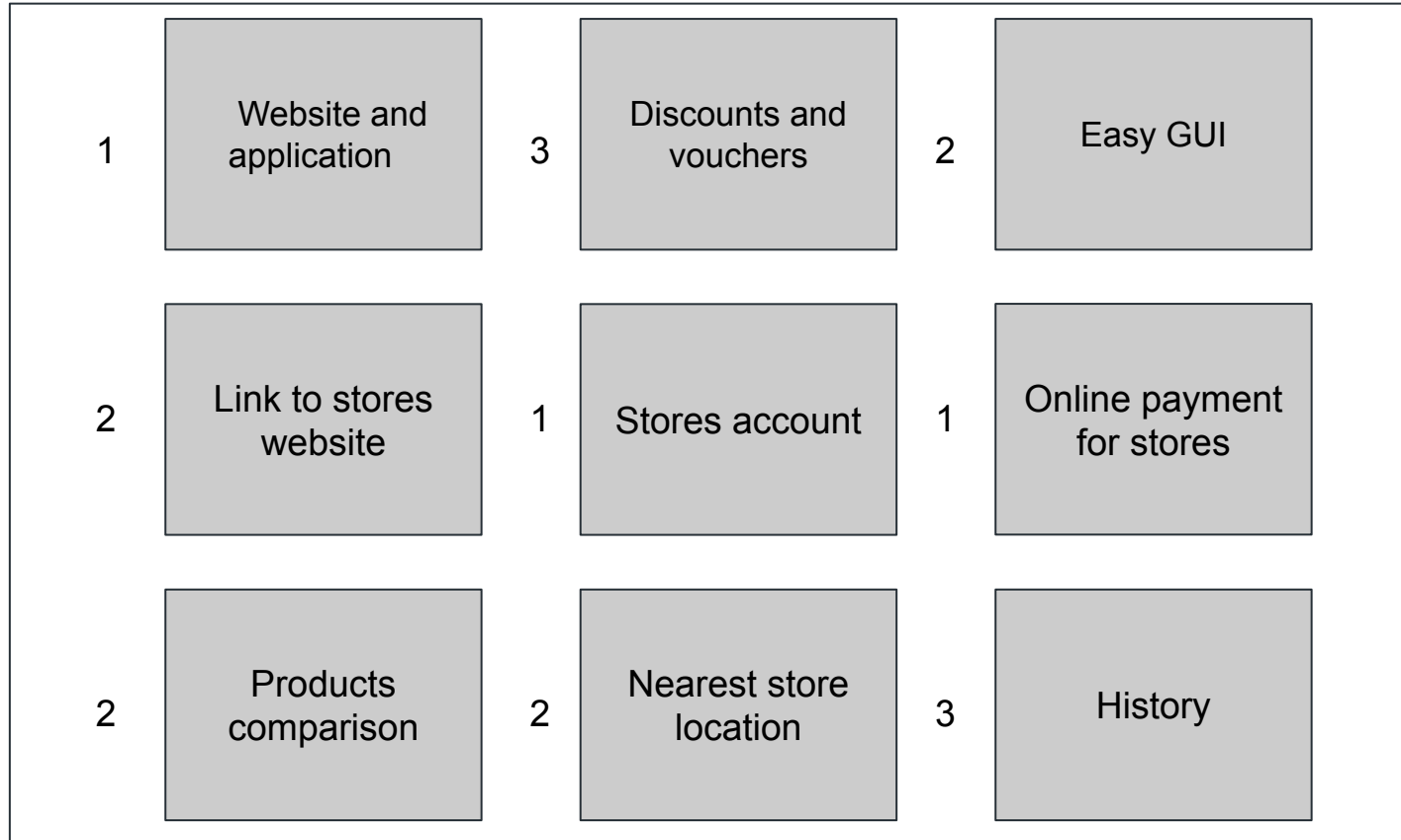


Testing team

Product Backlog

Website and application ✓	Discounts and vouchers ✓	Easy GUI ✓	Vendors accessing customer ✗
Videos for stores ✗	Link to stores website ✓	Customer account ✓	Online payment for stores ✓
Products comparison ✓	Link to other e-commerce ✗	Nearest store location ✓	History ✓

Release Backlog



Features are assigned to the sprint according to priority

Sprints

Website and application

The product should be accessible as a mobile application in all the existing OS and the web browser.

Stores account

Each store has a vendor account in which he/she can upload data of the store or product which will be visible to the end user

Online payment for stores

Store manager should be able to pay their yearly subscriptions online through the platform

Ship Ready

First Run for the platform

Sprint Backlog

(First Sprint)

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Story	To Do	In-Progress	Done
Website and application	Task A		
	Task B		
	Task C		
Stores account	Task D		
	Task E		
Online payment for stores	Task C		
	Task C		

Sprint Backlog

(Updated)

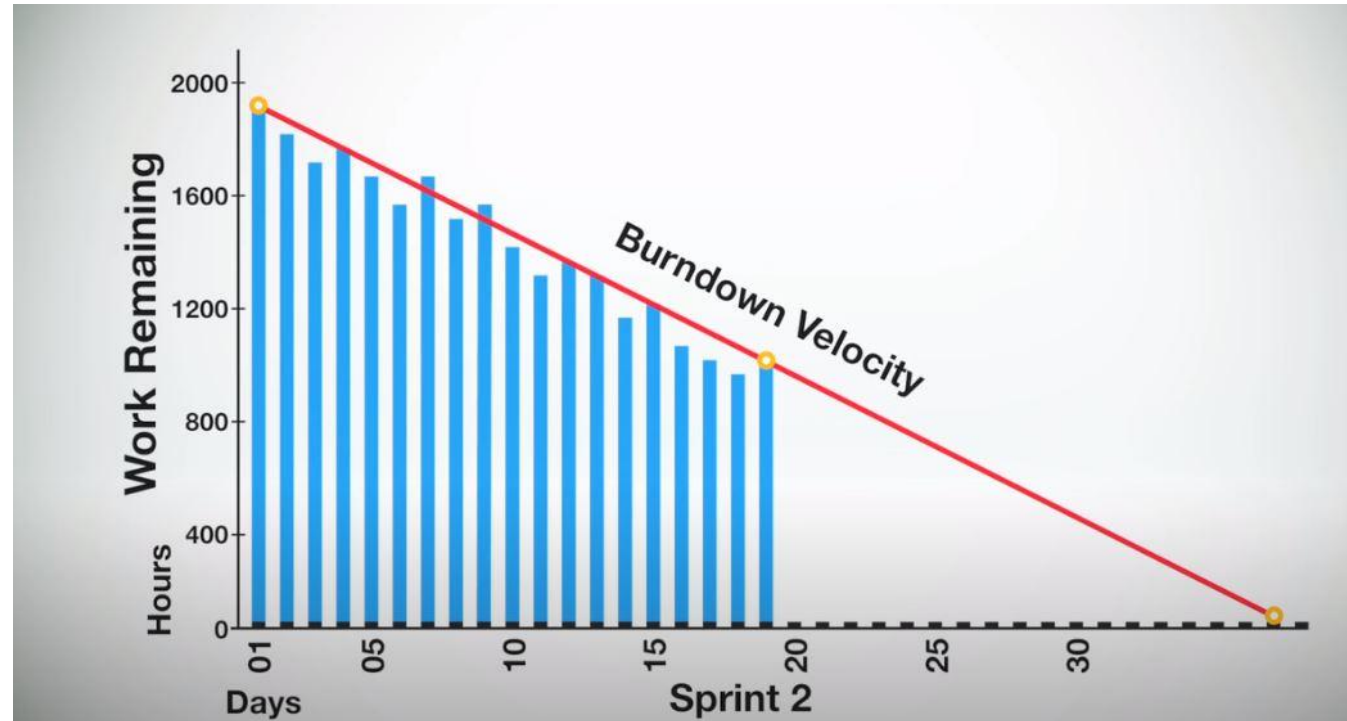
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Story	To Do	In-Progress	Done
Website and application			Task A
		Task B	
		Task C	
Stores account	Task D		
		Task E	
Online payment for stores	Task C		
			Task C

Sprint Monitoring

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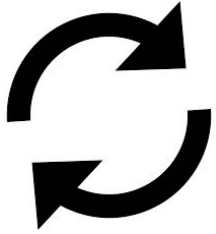
- Estimates the sprint finish
- Defines the extra work hours needed to finish in time
- Early indications to make adjustments



<https://www.youtube.com/watch?v=XU0IIRltyFM>

Agility benefits

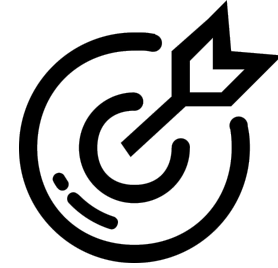
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Synchronised work



Earlier Income



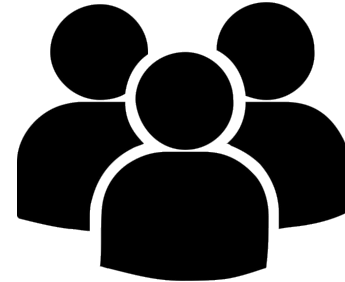
More accurate deliverables



Higher quality



Lower risks



Better team understanding

"This is not the end. It is not even the beginning of the end. But it is, perhaps, the end of the beginning."

- Winston Churchill

TEAM HOPSHOP
THANKS YOU!

Any questions?

