

## **Project Title**

**21<sup>st</sup> Century Barter System**

## **Team Members**

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## **Project Objectives**

1. To create a database and host it online for the use of developers to develop a web app and mobile app to implement the project.
2. To make a fully functional web app that is linked to the database and executes the transactions between different users in real time
3. To make a fully functional mobile browser app that is linked to the database and executes the transactions between different users in real time
4. To create an interactive front-end(Web) for ease of usage in the web application.
5. An interactive front-end and graphical user interface for ease of usage in the mobile browser application.
6. To renew and implement an efficient way of trading.

## **Project Description**

This cross platform software is for those who want to buy stuff from people who are ready to accept goods and commodities as the currency. 21<sup>st</sup> Century Barter System will allow people to connect and execute the trade deals on a web application as well as a mobile browser application as per their convenience. This software renews the very first form of trade known to mankind and will be appealing to those who don't want to spend their money and are ready to exchange goods to buy stuff.

This project will be able to reach out to those people who are waiting to exchange a product they don't use for something that will be a use to them. The software will enable to connect those people who are interested to trade commodities with commodities instead of cash transaction.

This software has the capability to introduce a new system of trading in the market and has a high probability to become a dominant form of trading among various sections of the society.

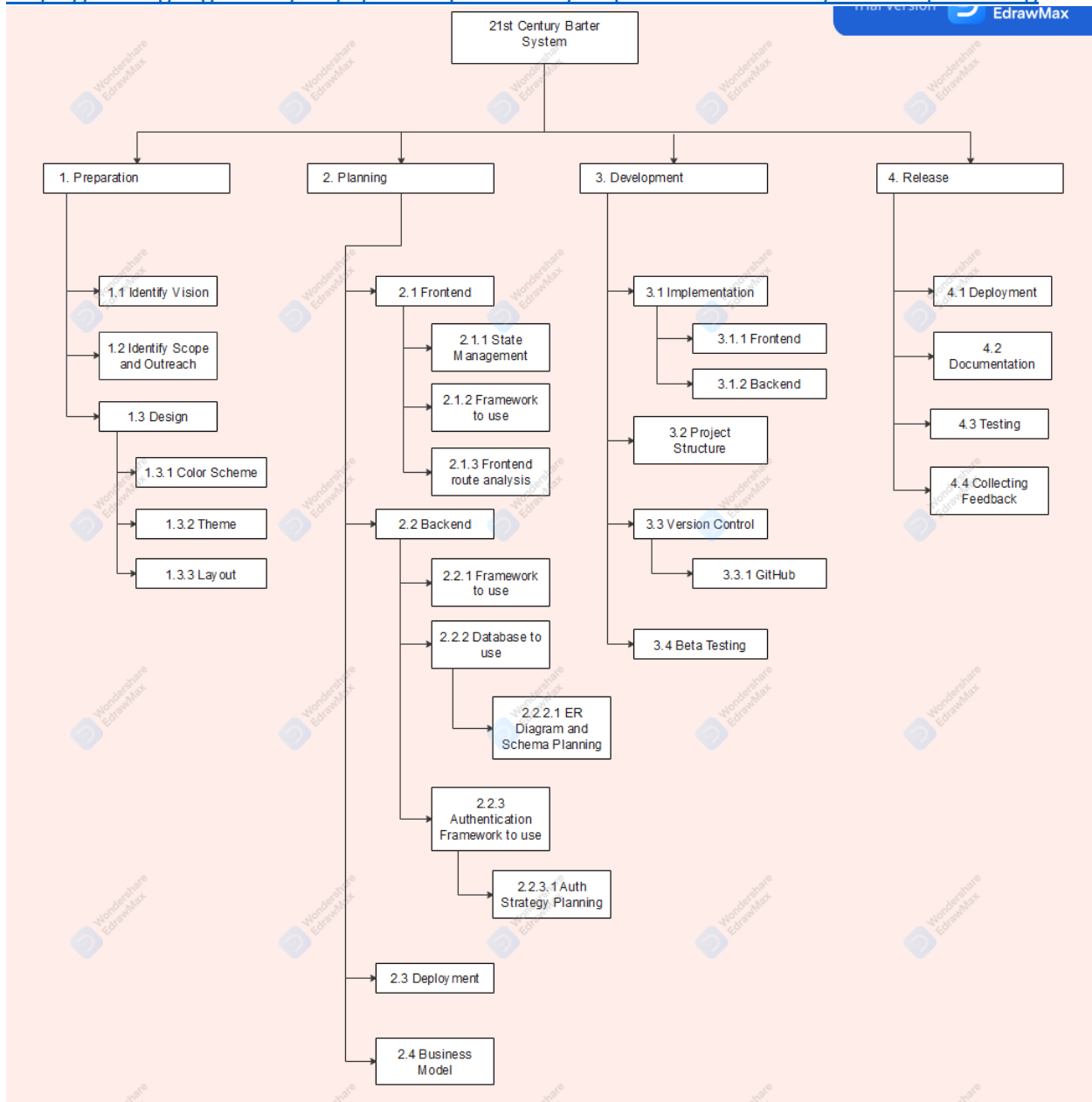
## Process Model

Process model being followed is **WATERFALL MODEL**

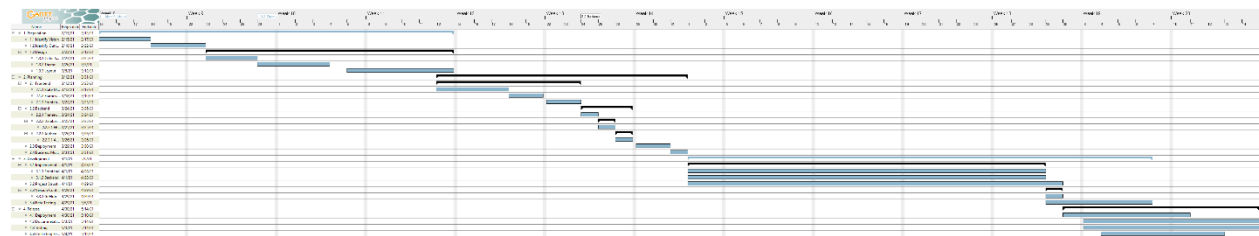
Since the components, project and the development team is small, we have decided to go with the waterfall model. For such a small project where the requirements are well understood “Waterfall model” is the best strategy to go by.

## Work Break-Down Structure

<https://drive.google.com/file/d/18tvHqFrw8BEa-yoXgef2eDYh1iN3F179/view?usp=sharing>



## Gantt Diagram

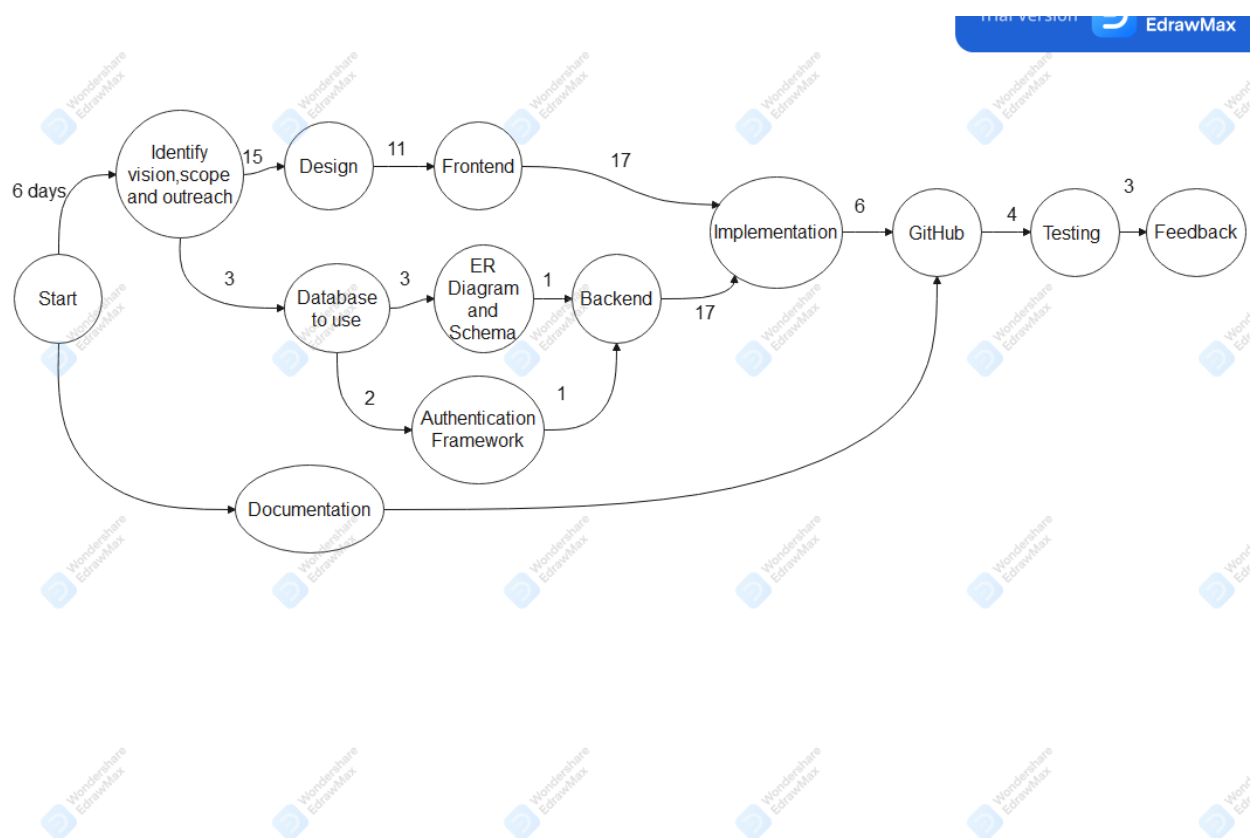


**To view clearly click on the drive link and pan across the image**

<https://drive.google.com/file/d/1sw5m4VRaMoYeNG124-TQuS2hRnyhhPk4/view?usp=sharing>

## PERT Diagram

[https://drive.google.com/file/d/1bAem4CGnX9Z\\_8MAZy5teK3-loaHvv\\_-6/view?usp=sharing](https://drive.google.com/file/d/1bAem4CGnX9Z_8MAZy5teK3-loaHvv_-6/view?usp=sharing)



## Conclusion

21<sup>st</sup> Century Barter System is our project work with its objectives well defined along with the scope and outreach explained. This report contains the abstract of the project and also gives an idea of the target audience of the software. Building and deploying of the software is structured using the waterfall model. The report also contains the initial steps of software development including PERT Diagram, Work Break-Down Structure and Gantt Diagram build to maximum accuracy keeping in mind our deadlines.

## References

Video Lectures of Manjula R mam

Course Material available on VTOP

<https://www.ganttproject.biz/>

<https://www.matchware.com/gantt-chart-software>

<https://www.google.com/search?q=pert+diagram&oq=pert+diagr&aqs=chrome.0.0i131i433j69i57j0l8.2655j0j7&sourceid=chrome&ie=UTF-8>

<https://cacao.com/examples/pert-chart-software>