Business and Software Requirement:

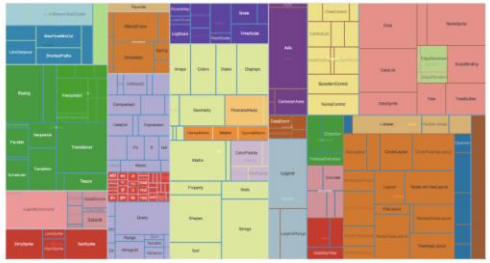
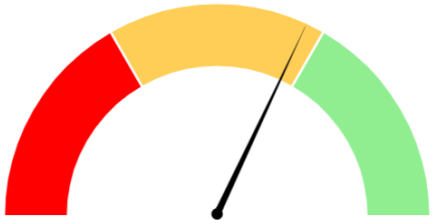
SL	Module	Element	Business Requirement	Software Requirnment	Est. Time
1	Market Dashboard	Market Sentiment	Bear/bull	1. Analyze and cache treading data (*/1m) 2. Calculate Market Sentiment 3. View through **Gauge Chart**	24H
		Market Overview	Gainer/loser 1. Pie chart 2. Top 10 list 3. Sector wise	1. Calculate and cache data (*/1m) 2. Functionality for view Gainer/looser Data. 3. View data with List view.	32H
		Top 10	1. Trade 2. Value 3. Volume	1. Calculate and cache data (*/1m) 2. View data with List view.	24H
		Value Map	Market Total Value Heat map.	1. Analyze and cache Market Value data (*/1m) 2. Calculate Market Value or API and sent to frontend. 3. View through **Treemap chart**	40H
		Marginable List	Margin/non margin	1. File upload functionality by CDBL Executive. 2. Keep Margin change history and log. 3. View Data with list view	24H
		DSE Stock News	MAN Data with Date and stock Filter	1. Date and stock wise News view.	24H

2	Stock Portfolio	Price Chart	Stock price using Treading view Chart. OHLC.	1. Develop filter and stock wise stock data Api that support **Treading view**. 2. R&D Treading view chart implementation. 3. View multi-function wiser Treading view chart.	80H
		Stock Statistic	Show Stock Statistic By Research team and some calculated by SDT.	1. Upload/Enter Data functionality for RT/SDT . 2. Calculate Data functionality using market data.	60H
		Dividend History	Show Dividend history shares wise / cash wise. also, calculate dividend per share.	1. Upload/Enter Data functionality for RT/SDT 2. R&D Dividend calculation and develop APIS.	60H
		Stock News from DSE	1. Quarterly 2. AGM 3. Performance	1. Date and stock wise News view.	32H
		Stock news on internet	Fetch Stock news available on internet and show on portal. if external URL give credit.	1. R&D retrieve Stock wise Market News and store in our system. 2. View Stock news and redirect functionality if necessity.	80H
3					

Reference :

(*/1m) = Calculate in every minute.

(*/5m) = Calculate every 5 minute.

		
TreeMap Chart	**Gauge Chart**	Treading view

TimeLine:

Estimated timeline includes frontend and backend research, development, testing, debugging, and deployment. The timeline may change based on research findings and the availability of proven implementation references.

SL	Module	Element	Design	Backend & others	Frontend	Est. Time
1	Market Dashboard	Market Sentiment	2H	20H	6H	24H
		Market Overview	4H	20H	8H	32H
		Top 10	4H	16H	4H	24H
		Value Map	8H	8H	24H	40H
		Marginable List	4H	16H	4H	24H
		DSE Stock News	4H	12H	8H	24H

SL	Module	Element	Design	Backend & others	Frontend	Est. Time
2	Stock Portfolio	Price Chart(Treading View)	16H	24H	40H	80H
		Stock Statistic	16H	28H	16H	60H
		Dividend History	8H	36H	16H	60H
		Stock News from DSE	8H	12H	12H	32H
		Stock news on internet	16H	48H	16H	80H
			90H	240H	154H	484H

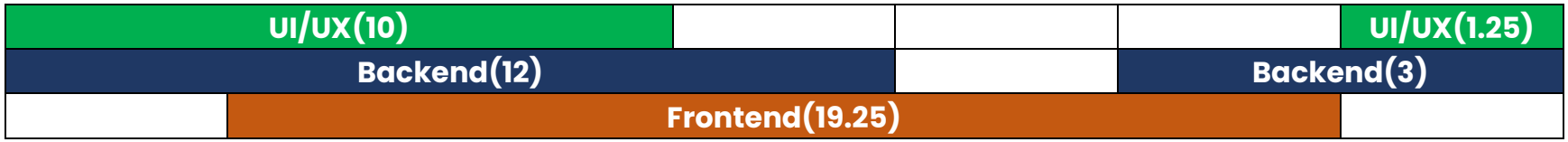
***Others Include testing, debugging, and deployment.**

The UX designer requires an estimated 11.25 working days to complete the design.

The backend team requires an estimated 15 working days to complete the APIs, considering three developers, ongoing maintenance, and unforeseen tasks.

The frontend developer requires an estimated 19.25 working days to implement the design.

Project Timeline Stack Wise:



Estimated Time in days: 24 working days.