

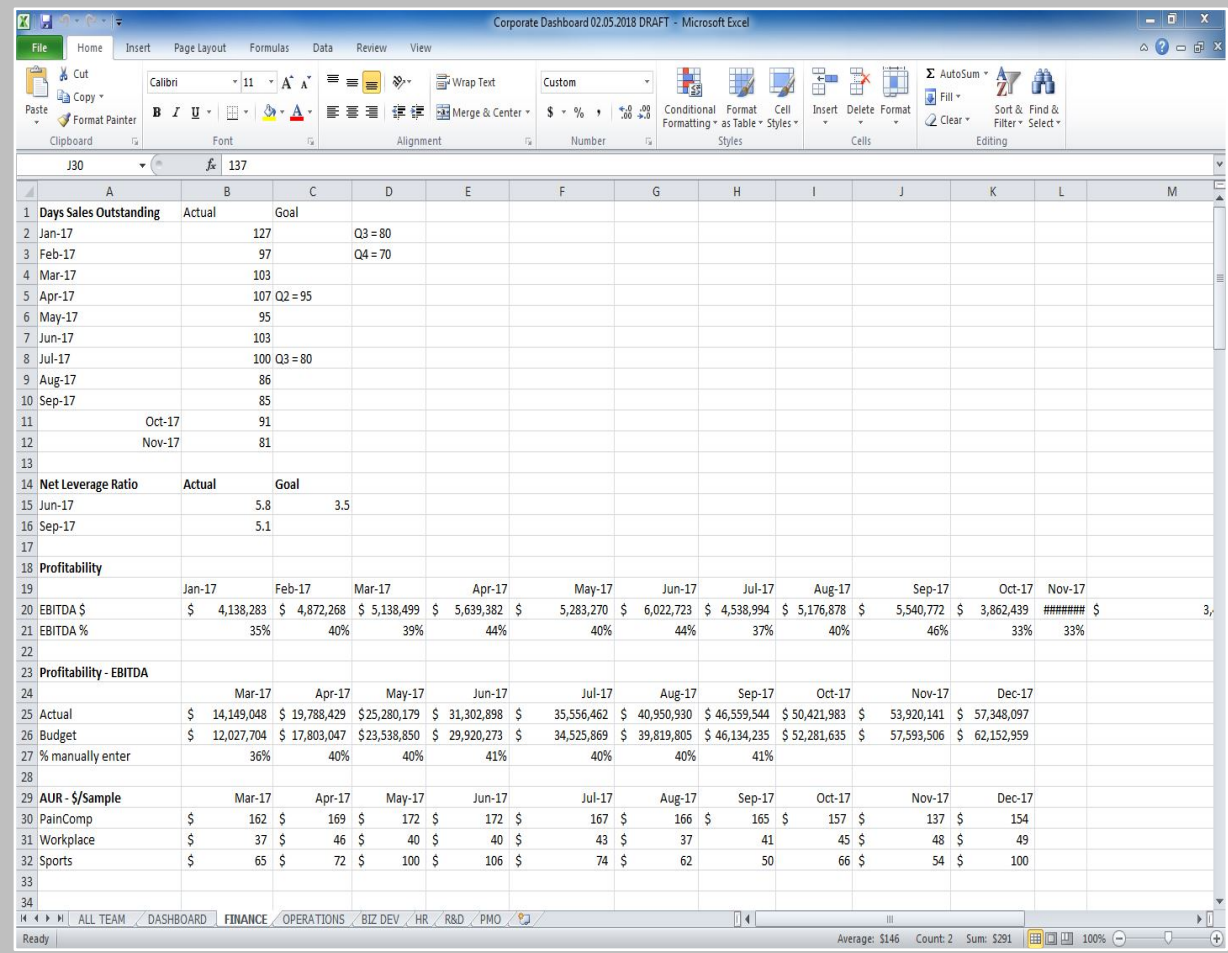
Abstract

In any complex and evolving company such as Aegis, data must be constantly utilized and monitored in order to gain valuable insights into the health and direction of the company. The data Aegis generates in itself is inutile, but when analyzed and presented in a cohesive visual manner it allows the viewer to see trends, outliers, and other key values regarding the company’s performance. A corporate dashboard serves the purpose of presenting those key metrics in a clean, neat, and thoughtful way in order to give executives better insight and help educate decision-making.

Aegis’s current dashboard however is outdated and hindered by the fact that it is an excel file; which is complex and static by nature. The solution was to create a online real-time application that adds both simplicity and functionality to the dashboard.

Old System

- Static excel file
- Data was scattered and non-intuitive
- Not interactive
- Only one user can update

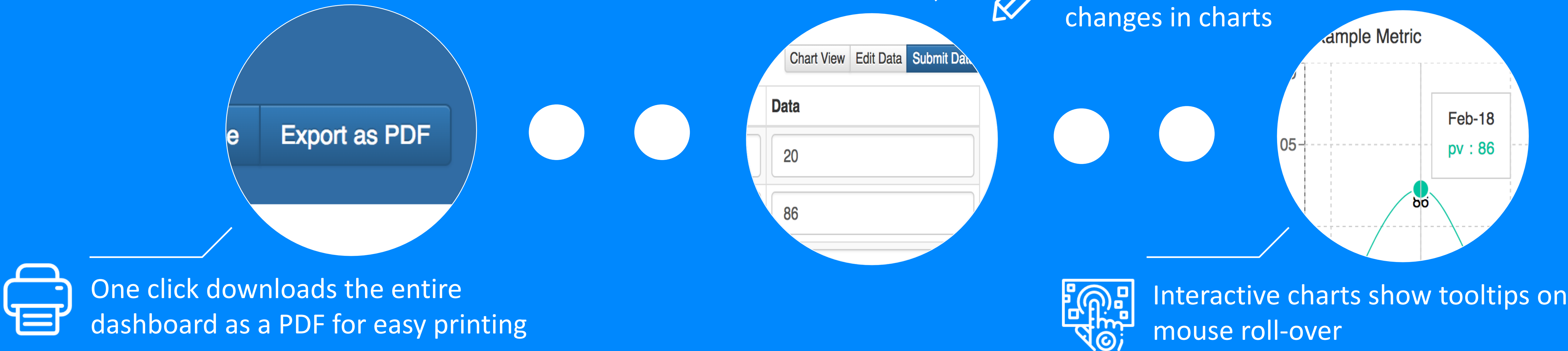


New System

- User friendly
- Added functionality
- Web-based
- Real-time data



Key Features



Challenges to Address

Static File

The current static file only allows a single editor and must be printed each time someone needs to view the document.

Tedious Updates

Each data set is spread out over multiple excel files which makes updating the dashboard confusing and time-consuming.

User functionality

The current system doesn’t support any interaction with the data. Furthermore it lacks an easy structure for navigation.

Framework

Front-end

I utilized ReactJS to design the front-end interface of my application. Each chart is pulled from the Recharts charting library API that is built on React components.

Back-end

For current beta purposes, the application’s backend is supported by Google’s firebase. This allows easy database storage and access.

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Next Steps



Acknowledgements

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