

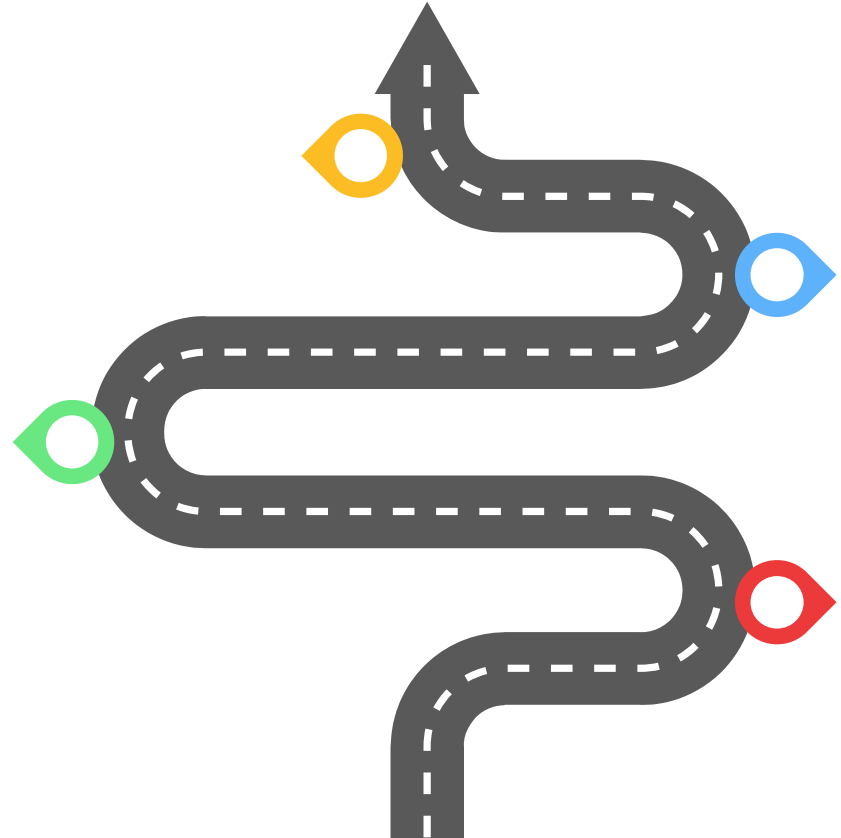
Bus Tracker Application

DDP Asg 2

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Video Link:

<https://youtu.be/63PltF1n9dY>



Problem Statement

Problem:

- Public Transport Council Survey: Customer satisfaction faced a dip in 2020
- Customers unsatisfied with waiting time of buses and their reliability
- Not knowing wait times could result in commuters facing significant inconvenience and frustration

Solution:

- Bus Application that shows real-time information of the buses for a particular bus stop
- Front-end and analytics automation platform, Alteryx
- Real-time Dataset by LTA on DataMall

Alteryx Workflow

Analytics
Application Output

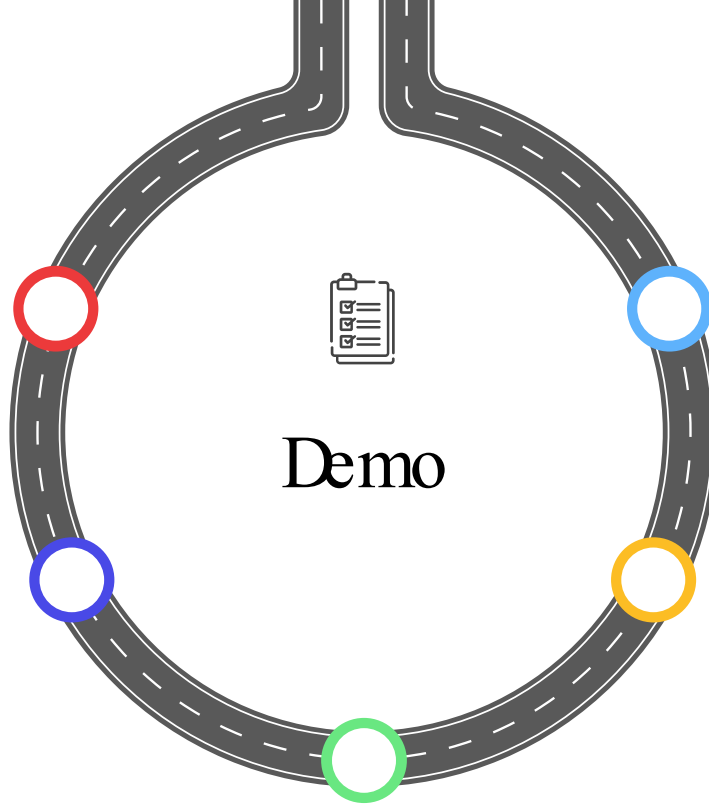
Workflow Output

Alteryx Analytics
Application



Demo

Desired Front-end
-Adobe XD



Possible Improvements

- Utilize Select tool more efficiently by removing fields that are not necessary as early as possible
- Optimizing record size with Auto Field Tool
- Determine if there is a need to turn Load and Type values into an expanded form (e.g. SD -> Single Decker)
- Get Alteryx Server license
- Get Admin approval for Power BI Output tool