**Fabrication Roadmap**

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Sponsor: Marvin

**Background**

- Marvin manufactures custom, made-to-order windows.
- They have several fabrication processes involving different groups of machines to prepare parts before they are assembled into finished windows.
- The process that is followed depends on the parts being fabricated.
- A "fabrication roadmap" is a representation of the machines used in a fabrication process in the order they are used.

**Business Need**

- Web based application
- Create new fabrication roadmaps and edit existing ones
- View roadmaps for a specified cart type (grouping of parts) and producing location.
- View status for roadmap within a batch: for each machine, steps completed vs number of steps to be completed.
- Easy to learn and use

**Our Web Application**

- ReactJS App (Roadmap Viewer and Editor Pages)
- ASP.NET Web API
- Microsoft SQL Server Database

**Technologies used**

- Visual Studio
- React Flow
- EVERGREEN
- Microsoft SQL Server