

WHO?

- FargoRate is a data-driven company focused on accurately ranking pool players in the billiards industry
- Handles over 20,000,000 games & 240,000 players worldwide
- Leading company in the industry

WHAT?

- Wanted a test software to easily experiment with the core optimization program
- Created an integrated web-app tool that displays current and previous results from different optimization engines
- User specifies connection string and path to engine, optimization routines, and Fully Qualified Type Name
- Data sent back and forth on SQL server and optimizes accordingly
- Updates web-app with new rating data

WHY?

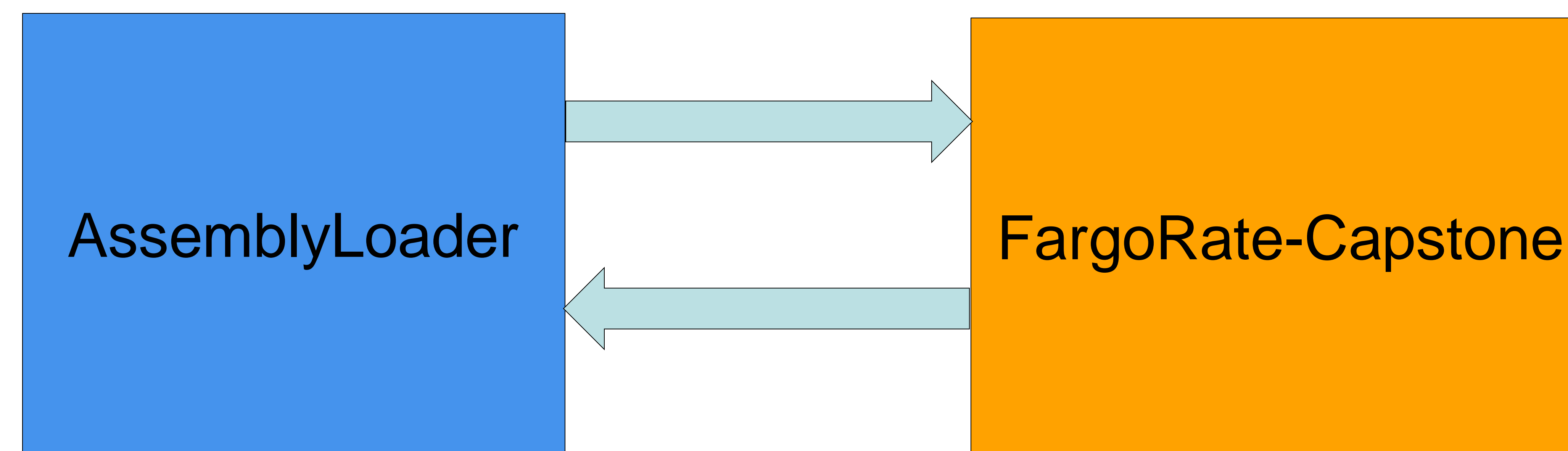
- Accurate ratings provide a way to properly match players together during competition
- Competitions, Leagues, and Tournaments rely on accurate ratings when making brackets
- A faster and more detailed output allows FargoRate to locate issues easier
- Current optimization run can take 6 – 8 hours, test software allows them to more easily find ways to improve this time

How does it work?

1. Web-App takes input, sends to AssemblyLoader

The screenshot shows a web form with an orange background. It contains three input fields: 'Engine Path', 'Fully Qualified Type Name', and 'Connection String'. Below these fields is a 'Submit' button.

2. AssemblyLoader loads the given test run, sends SQL data to FargoRate-Capstone



3. FargoRate-Capstone executes SQL query on desired data and sends it back to AssemblyLoader

4. AssemblyLoader loads the Optimization engine and runs it on the test data

5. New ratings are updated for the test data. Information gets displayed on the Web-App

TOOLS

