Alpha Presentation
DSL IDE Test Harness

The Capstone Experience
Team Roosevelt Innovations Knowledge Science

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Project Overview

• Create a GRACE program testing environment
• Dynamically update testing environment based on user conditions
• Perform and return a mock rate calculation based on user inputs and conditions
System Architecture

Frontend Development

- Angular
- npm
- TypeScript
- HTML5
- CSS

Browser

Backend Development

- API (REST)
- Java
- Roosevelt

Actuaries
Main UI

Welcome to GRACE IDE. To get started, select one of the options below:

- Create a New File...
- Open a File...
- Open a Project...

GRACE Navigator

<table>
<thead>
<tr>
<th>Name</th>
<th>Size</th>
<th>Values</th>
</tr>
</thead>
</table>

File Edit Selection View Help Test
Error Window
Testing Window
Results Window
What’s left to do?

• Set up rate calculation service
• Send multiple data measurements from UI to calculation service
• Account for all input data types in UI window
• Add ability to load and save test cases
Questions?