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As encouraged in the assignment description, we have decided to primarily recreate our original task flow from past assignment. We have additionally extended our prototype by adding interactive elements to our high-fidelity frame and elaborated our product design matching the theme of our application.

User Scenario:

A new software, called RobinAI, has just been installed to your company's database system. The software promises to revolutionize the way business users interact with their data. You are interested in what the software can do, so you open it up on your laptop to see how you can explore your company's data.
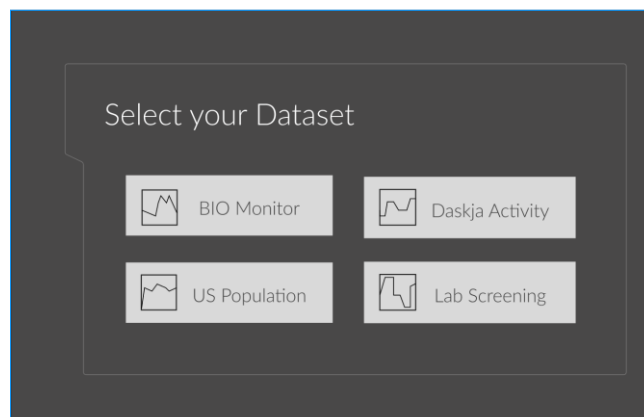
User Task:

The user must explore a table within their dataset and share an interesting portion of it they find with another person.

Task Flow:

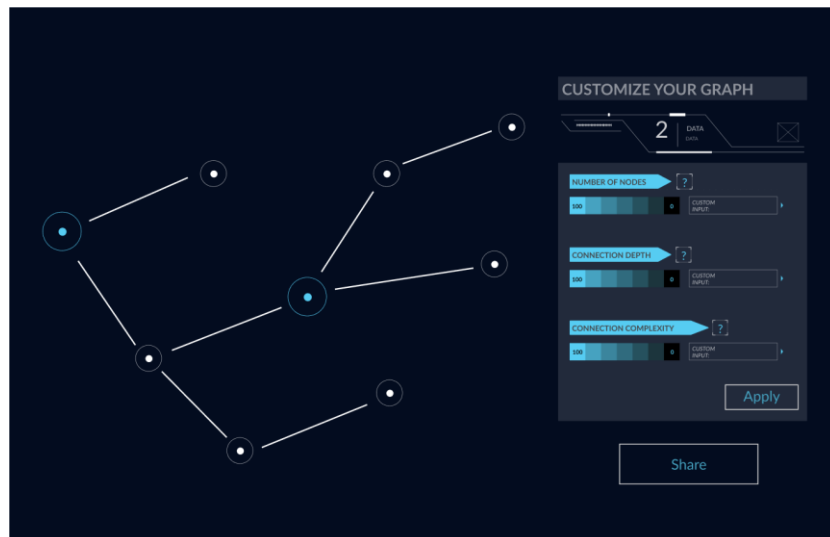1. **Welcome Page:** Here the user is welcomed to the application and is prompted to import a dataset.
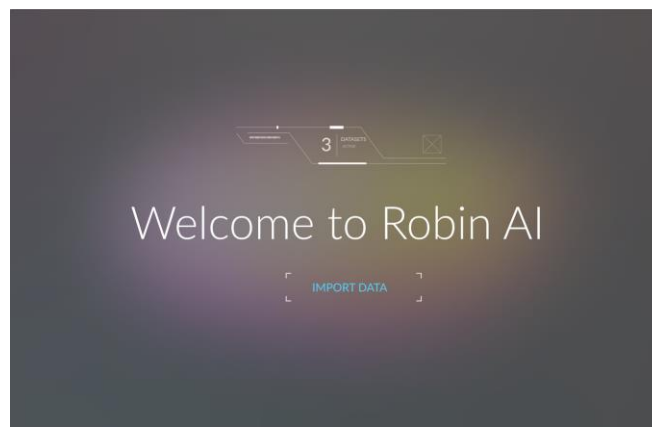
2. **Dataset Selection:** Here the user can browse which datasets are available in their organization.

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3. **Dataset Preview:** These pop-up menus augment the dataset selection. When clicking on a dataset, the user gets a preview of it as a traditional SQL data model. This helps the user ensure they have selected the correct dataset and gives them access to a familiar way of visualizing their data. If the user wishes to go back, they can return to the dataset upload page. Else, the user can click "Load" to generate the interactive network visualization of their data. The process of generating this new graph is not going to be instantaneous, and as a result a loading time is included in the process.
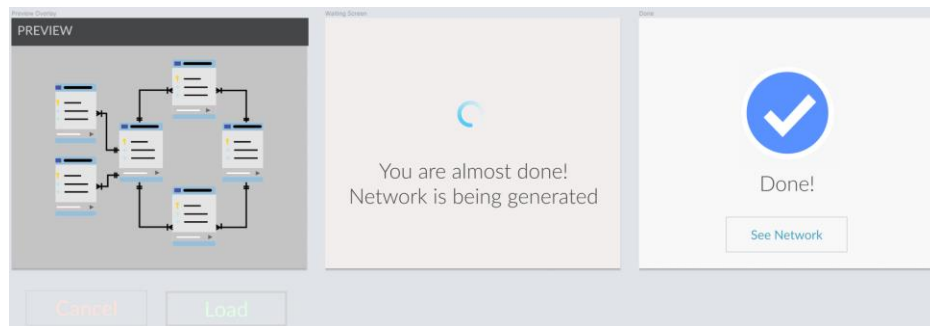

4. **Customizing Pages:** Once loaded, the first page of the data gives the user a glimpse of their data as a network visualization. However, before they proceed, they can customize this visualization by changing different parameters that go into creating their network.
   a. Special Case: We have built in 'Help' functionalities for the user so they can get further information on what each parameter means. This helps the user ensure the quality of their visualization and reduce barriers to understanding.

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5. **Initial Visualization:** Once the user is happy with their parameters and they have applied them, they get access to their network visualization. Here they are prompted to click on one of the nodes which displays the interactivity of the application.

6. **Explore Data | Data Quality:** The first menu allows the user to glimpse the quality of the underlying data. In this page they are provided with graphs that score their data and informs them if there are missing values.

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7. **Explore Data | Summary Statistics:** The second menu gives users a visualization to summarize each of the variables present in the table they have selected.


8. **Explore Data | Further Statistics:** This menu builds on the Summary Statistics menu by allowing users to add get multiple visualizations and analysis per variable present in the table. The user can browse through every variable individually to generate their results.
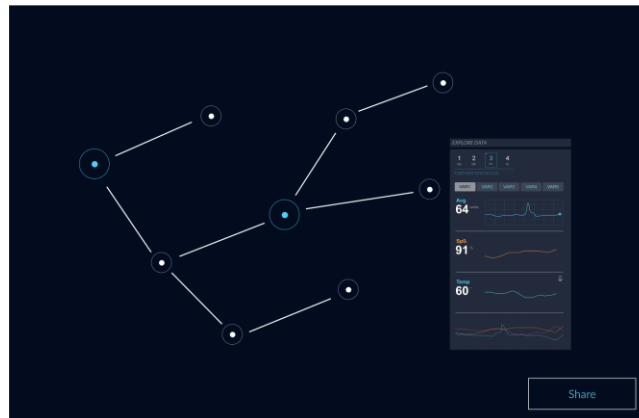
9. **Explore Data | Artificial Intelligence Model Recommendation:** This final menu, gives the user an overview of possible data science tasks that can be accomplished with this data. Additionally, it gives the user three different recommended models that they can use for these tasks.

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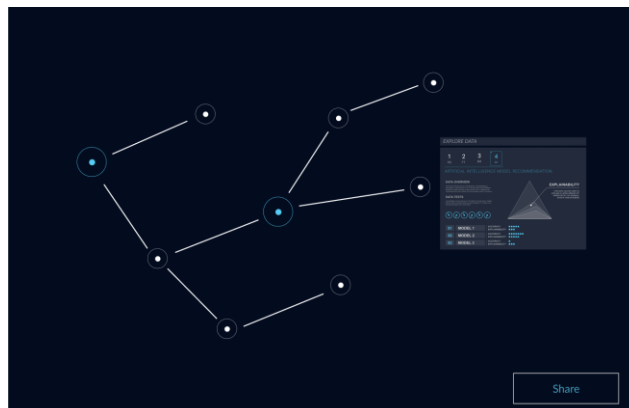
10. **Share:** Once the user has found an interesting insight in the data they wish to share with other users, they can click on the "Share" button. This will give them access to a pop-up menu which will provide them with multiple ways to share their information.
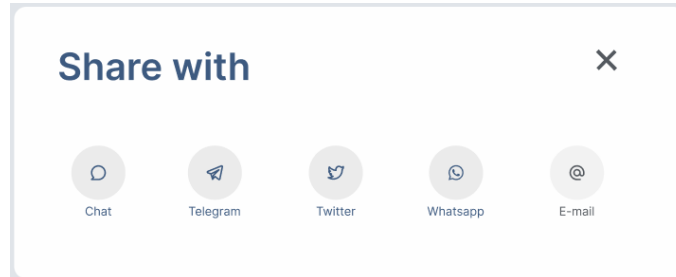
11. **Success Page:** Once the share has been completed, the users have the final Success page to congratulate them on completing the data discovery and sharing task. For the final frame of our task flow, we have hypothesized that the user might want to continue editing his network visualization. As a result, we have included a "go back" button, which allows the user to continue with the data set he initially started with.

Edit-Link: https://www.figma.com/file/Wk6ePoDf4zpVi0xFqCO240/Untitled?node-id=0%3A1&t=eM6S6KoQz2yGZNWF-1