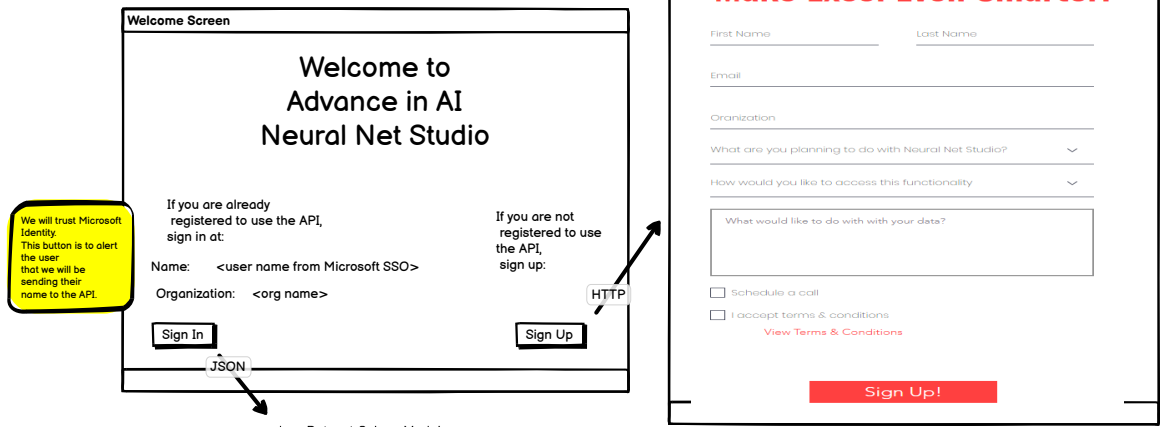


1. User opens Add-in.



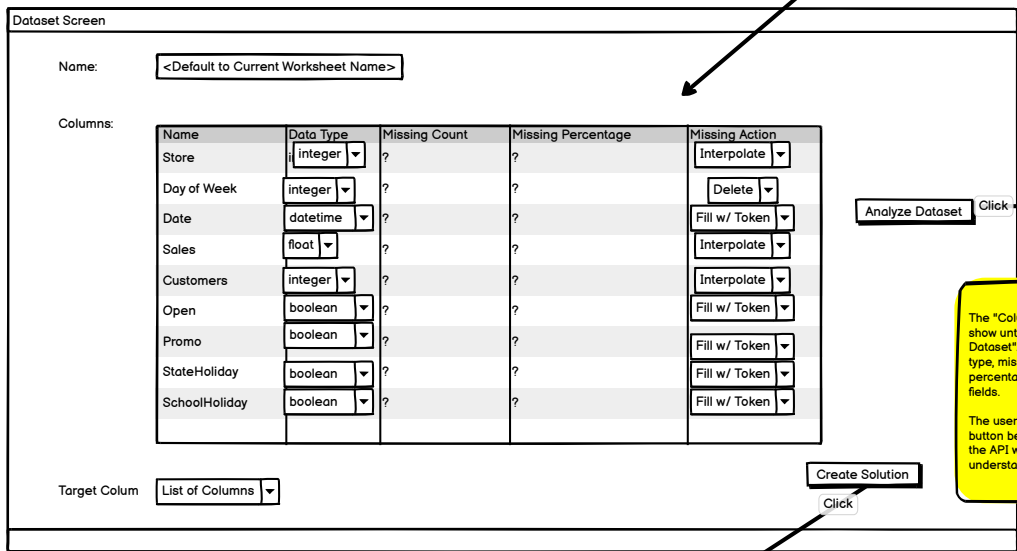
2. Send Identity to server (call /token endpoint)

3. User has account?



4. Does Neural Net Studio node exist in workbook?

No  
5. Display Dataset Screen



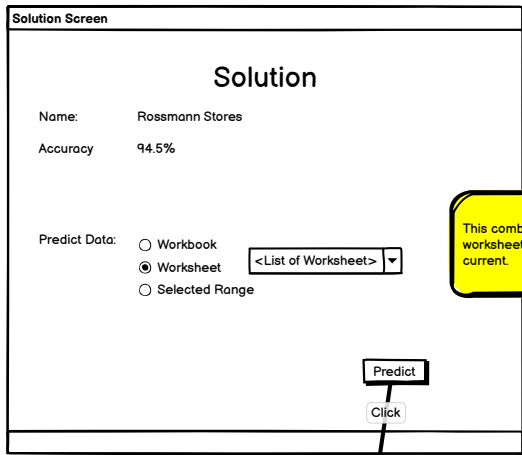
```
class DatasetAnalysisModel {
    string name;
    List<DatasetColumnModel> columns;
}

class DatasetColumnModel {
    string name;
    string dataType;
    int missing_count;
    float missing_percentage;
    string missing_action;
}
```

NNS API Analyze Dataset Endpoint

```
class AnalyzeDatasetModel {
    string name;
    file dataset_file;
}
```

6. Display Solution Screen

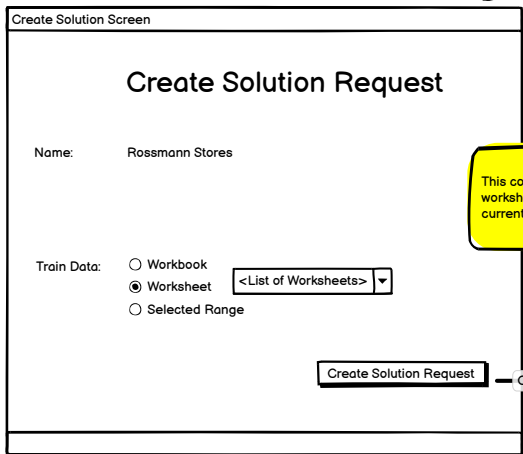


```
[
  {1, 5, 7/31/2015, 555, 1, 1, 0, 1},
  {2, 5, 7/31/2015, 635, 1, 1, 0, 1},
  {3, 5, 7/31/2015, 821, 1, 1, 0, 1},
  {4, 5, 7/31/2015, 1498, 1, 1, 0, 1},
  {5, 5, 7/31/2015, 559, 1, 1, 0, 1},
  {6, 5, 7/31/2015, 589, 1, 1, 0, 1}
]
```

7. Populate Target Column

Store	Day of Week	Date	Customers	Open	Promo	State Holiday	School Holiday	Sales
1	5	7/31/2015	555	1	1	0	1	
2	5	7/31/2015	635	1	1	0	1	
3	5	7/31/2015	821	1	1	0	1	
4	5	7/31/2015	1498	1	1	0	1	
5	5	7/31/2015	559	1	1	0	1	
6	5	7/31/2015	589	1	1	0	1	

Create "Target Column" column if it does not exist in the worksheet.



```
class SolutionRequestDescriptorModel {
    string name;
    file csv_data;
    DatasetDescriptor dataset_descriptor;
}
```

NNS API Create Solution Request Endpoint

```
class SolutionRequestDescriptorModel {
    string name;
    string solution_request_uuid;
    int column_count;
}
```

