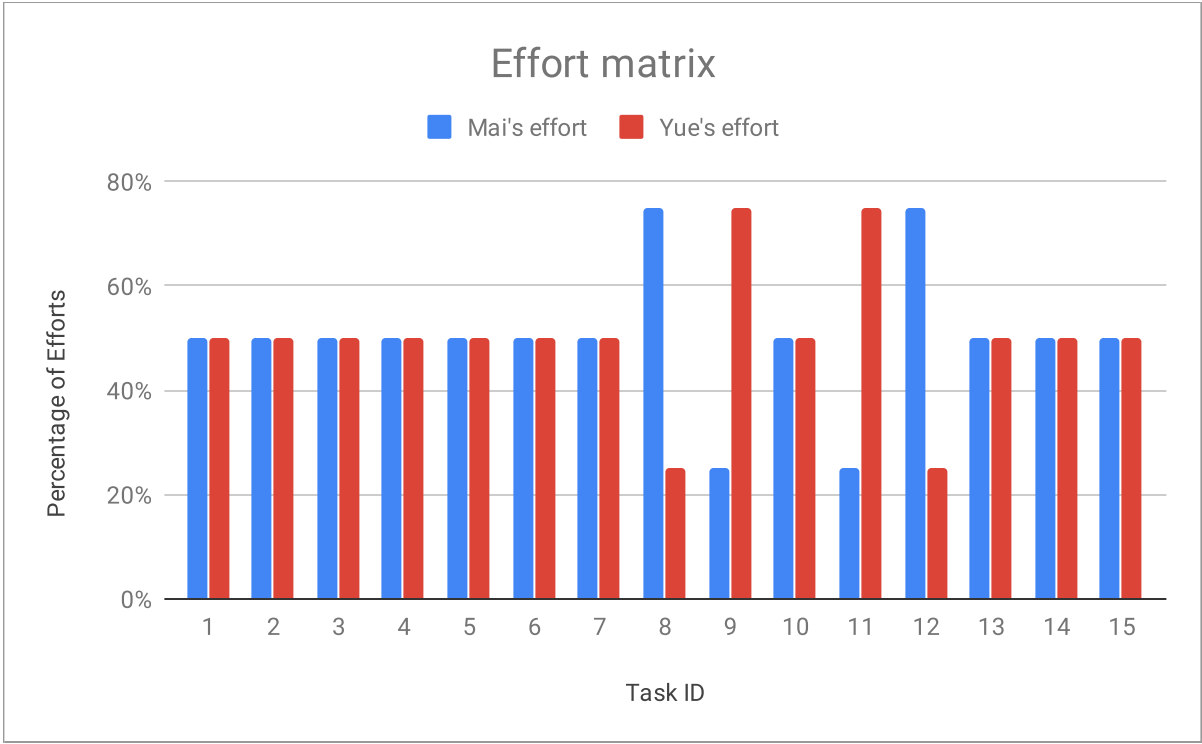Senior Design task list

Task	Task name
1	Integerate team and discuss project ideas with Dr.Minai
2	Discuss app requirements and features
3	Analyze, clean, and structure dataset
4	Research about Tensorflow
5	Learn how to use Tensorflow on Google Cloud Platform (GCP)
6	Develop Tensorflow regression models to predict stock prices
7	Train the Tensorflow models to work with historical data and daily data from APIs
8	Design UI for mobile according to Material Design principles
9	Create Android app prototype
10	Obtain data from GCP storage to mobile and display as graphs in the mobile app
11	Implement app feature to let user predict stock with or without machine's advice
12	Calculate um - u and um - m (u: user prediction, m: machine's prdiction, um:user's prediction with machine's prediction), and display in the app
13	Send user's and machine's predictions to cloud storage
14	Test and Validate
15	Do user testing by letting other people use the app and get feedback

Effort matrix

Senior Design task list

Duration	Start	End	Mai's effort	Yue's effort
30	10/1	10/31	50%	50%
20	10/20	11/10	50%	50%
30	11/15	12/15	50%	50%
10	10/26	11/5	50%	50%
10	11/5	11/15	50%	50%
			50%	50%
			50%	50%
20	12/1	12/20	75%	25%
20	12/1	12/20	25%	75%
30	12/20	1/20	50%	50%
10	1/20	1/30	25%	75%
5	1/30	2/4	75%	25%
6	2/4	2/10	50%	50%
18	2/10	2/28	50%	50%
8	2/20	2/28	50%	50%