CS 113 Final Project: Sequence Diagram

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User	PokemonTeamBuilder	PokeTeam	Pokemon	TypeRatioGenerator	MatrixGraph

User

1: Launch program

2: Create blank team using PokeTeam

3: Create list of all pokemon

6: UI loads

5: List of all Pokemon stored
in PokemonTeamBuilder

4: List of all pokemon stored in PokeTeam

7: User selects
Pokemon and locks in

8: teamBuilder adds Pokemon to PokeTeam

8: Gui shows
pokemon in team

9: User selects
Make Best Team button

9: teamBuilder calls fillTeam()

10: Team calculates the best tier, attack style and asks for a list of suggested types

11: TypeRatioGenerator returns a list of best types of Pokemon for candidates

12: PokeTeam generates weights for the candidates and adds the candidates and their weights to a MatrixGraph

15: user sees Pokemon

14: Pokemon added to team is shown in GUI

13: Pokemon with the smallest weight value from the graph is returned and added to the team

END

steps 10 - 15 repeat until the team is filled