

# Project Proposal

CS320 Fall 2022

## Company Name:

Problem Investigations Solutions and Systems

## Application Name:

Fantasy Pokémon League (FPL)

## Proposal (>= 300 words):

Our group has proposed that for this project we will create a Pokémon database which will allow users to assemble their own team, not unlike how one can create a fantasy sports team, and share it with other. This application will be created with Pokémon fans in mind, while also providing a fun experience for younger people who may be curious and want to try out a novel alternative to something like fantasy sports. In order to achieve this, we will first have a database that lists our total Pokémon, which is only the original first generation set. This database can be sorted and filtered in a variety of ways depending through interacting with the settings of the application. By interacting with the elements of the database, users will be able to view a picture of a specific Pokémon while displaying its relevant information – type, evolutions, move set. For those unfamiliar with Pokémon and for new users alike, there will be an option of having a tutorial wizard, which summarizes core features of the database and gives a brief overview of the information regarding each Pokémon. From the database, users will be allowed to create a team of six by adding or removing Pokémon. The software should also be able to calculate team synergy and displaying it, by seeing what Pokémon types are missing and what type counters they may lack. From this, users will also be able to share their fantasy team creations, which allows for others to rate and comment on their fantasy team. In order to save their fantasy teams, users will also be able to create an account, with a username and password, which will keep track of the teams they have already created.