FXDex Technical Product Backlog

# Purpose

This is the product backlog reference for the open-source FXDex project. Ongoing development.

FXDex aims to provide a cross-platform experience for viewing veritably accurate information about Pokemon from mainline pokemon games revolving around generations 1 - 7. Written in Java, we utilize JavaFX with GluonFX to provide this experience for at-home and on-the-go usage.

# MVP Application Requirements

## Functional

* Program should be able to access all pokemon info from generations 1 - 7 with at least an internet connection.
* Display information about pokemon from pokemon generations 1 - 7.
* Uses a combination of desktop mouse & keyboard to navigate the application.
* Displays information specific to the game specified, using each mainstream pokemon game as a possible context.
* Displays list of pokemon in a typical pokedex fashion - show each pokemon in a condensed list.
* Allows filtering to control which pokemon show up (per-game dex, by type)
* Views specific pokemon information, specific to a chosen game.

## Quality

* All data displayed within the application must be sanitized, quality-checked, and tested against in-game data when possible.

## Platform

* Application must support the Windows 10 Desktop x64 native environment.

## Internal

* Code formatting standards must adhere similarly to Google’s Java Style Guide, with a few minor changes.
  + Indenting must be performed with spaces.
  + Block indenting must be 4 spaces long, per indent.
  + Concise empty blocks are allowed and required where applicable.

## Future Enhancements

* specific to a chosen game:
  + view gym leader and their pokemon team
  + view item and its effects
    - if evo stone, show pokemon it can be applied to
  + view list of TMs (Technical Machines, in-game item)
  + view specific TM and its usage
    - show pokemon it can be applied to
  + view list of moves
  + view move and its effects
    - show pokemon that can learn it
  + view list of abilities
  + view ability and its effects
    - show pokemon that can learn it