OOP: 3-day, dungeon_dudes - design WO1 Michael Yockers October 11, 2023

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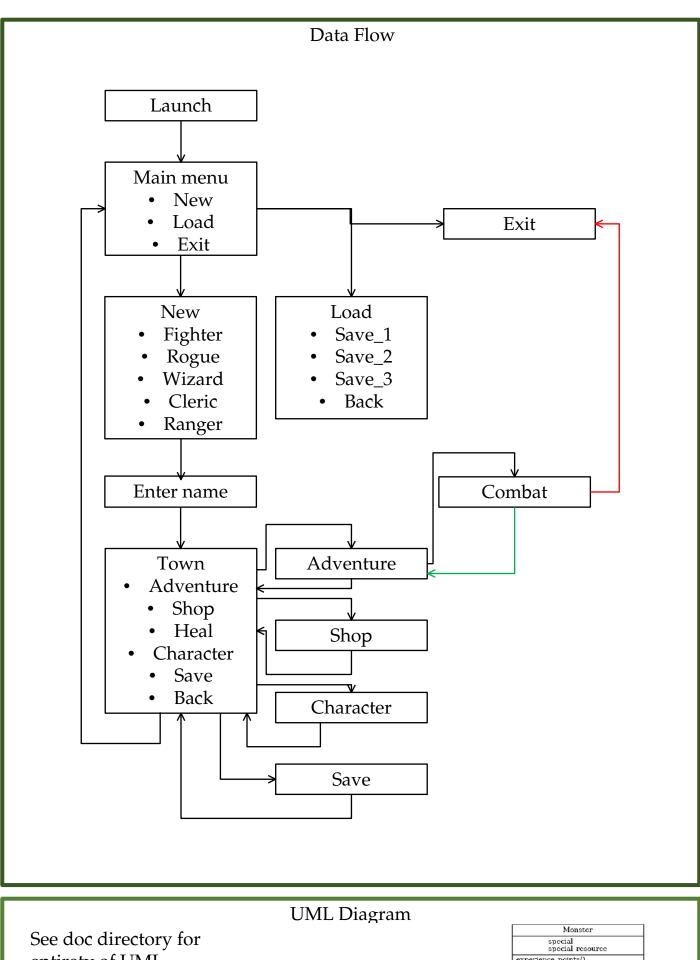
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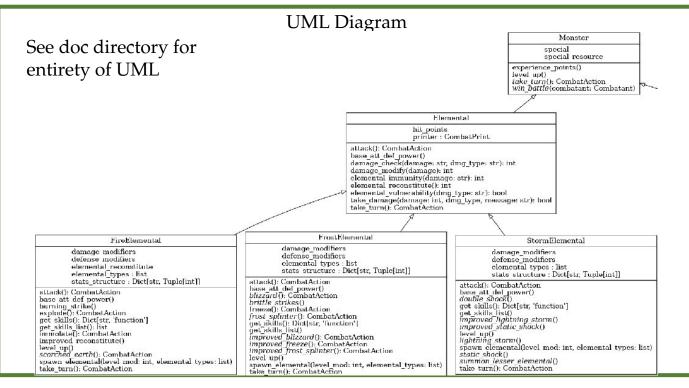
Overview

This project is a derived from the 'Monster' module. There are 3 subclasses within the Elemental class, with minor changes between different types of Elementals based on their levels.

Requirements

- Project must make a reasonable attempt to employ type hinting
- Project must pass mypy type checking with no warnings or errors
- CombatPrint must be utilized to display an appropriate message for ever combat Action performed
- 'LimitedDict' data type must be used when approrpriate
- Module must be detected by the game and loaded into the game seamlessly at runtime
- Monster modules must correctly implement logic for determining turn attacks
- Monster modules must correctly implement logic for determining monster subtypes and variation
- All combat math must be calculated correctly
- All CombatActions must be correctly constructed and passed to the encounter
- CombatPrint must be appropriately utilized to display combat message and information





Design Choices

- Not much to design; forced to work within constraints of class and ABC
- Pull as much from existing classes

Constraints

- No third party libraries
- No altering outside of assigned class, else incur wrath
- Only 3 days...

Assumptions

Source code is generally, bug-free