Mountain Climber

Overview:

"Mountain Climber" will be a command prompt, text-based game where a player outfits their climber with gear, chooses their skills, and battles seasonal changes in danger and difficulty in order to climb a mountain.

Classes:

Class	Description
Engine	The Engine runs the game. It will do the following:
	Solicit user input
	Generate and modify objects
	Display game output
	Methods:
	Play: starts a new instance of the game
Mountain	This Mountain acts as the game map.
	 Accepts weather and difficulty information
	 Generates and stores a randomized number of route objects
	 Generates and outputs randomized events
	Methods:
	 Weather: Accepts user inputs and uses them to define ranges for
	more complicated attributes of the mountain climate. Exact values
	within these ranges are generated via randomization.
	 Create Routes: Populates the mountain with route objects
	 Create Event: Generates random events such as falls, storms, etc.
Route	A Route is a component of the mountain that the player interacts with.
	 Can be one of four types: Scramble, Rock, Mixed, Ice
	 Can be a range of difficulties (Yosemite Decimal System)
	 Can present a range of danger level (PG, R, X)
	Methods:
	Climb: Allows player to interact with the route
	Event: Generate a random event
Climber	A Climber is the object representation of the player
	 Has skill attributes (strength, balance, composure, etc.)
	 Interacts with the Route class to play the game
	Methods:
	Climb: Initiates interaction with the route
	Heal: Player uses healing equipment in inventory
Backpack	A Backpack is the object representation of the player's inventory
	Can hold various pieces of climbing gear
	Has a maximum weight capacity
	Methods:
	Add: Add item to inventory
	Remove: Remove item from inventory
	Use: Use an item from inventory

Additional Comments:

- If this game is not already too complex, a Time class may be introduced to make the player race against the clock.
- Much of the game complexity will be from random event generation. Each new instance of the game will create a unique mountain and each time the climber attempts a route, they have the potential to experience a different result.