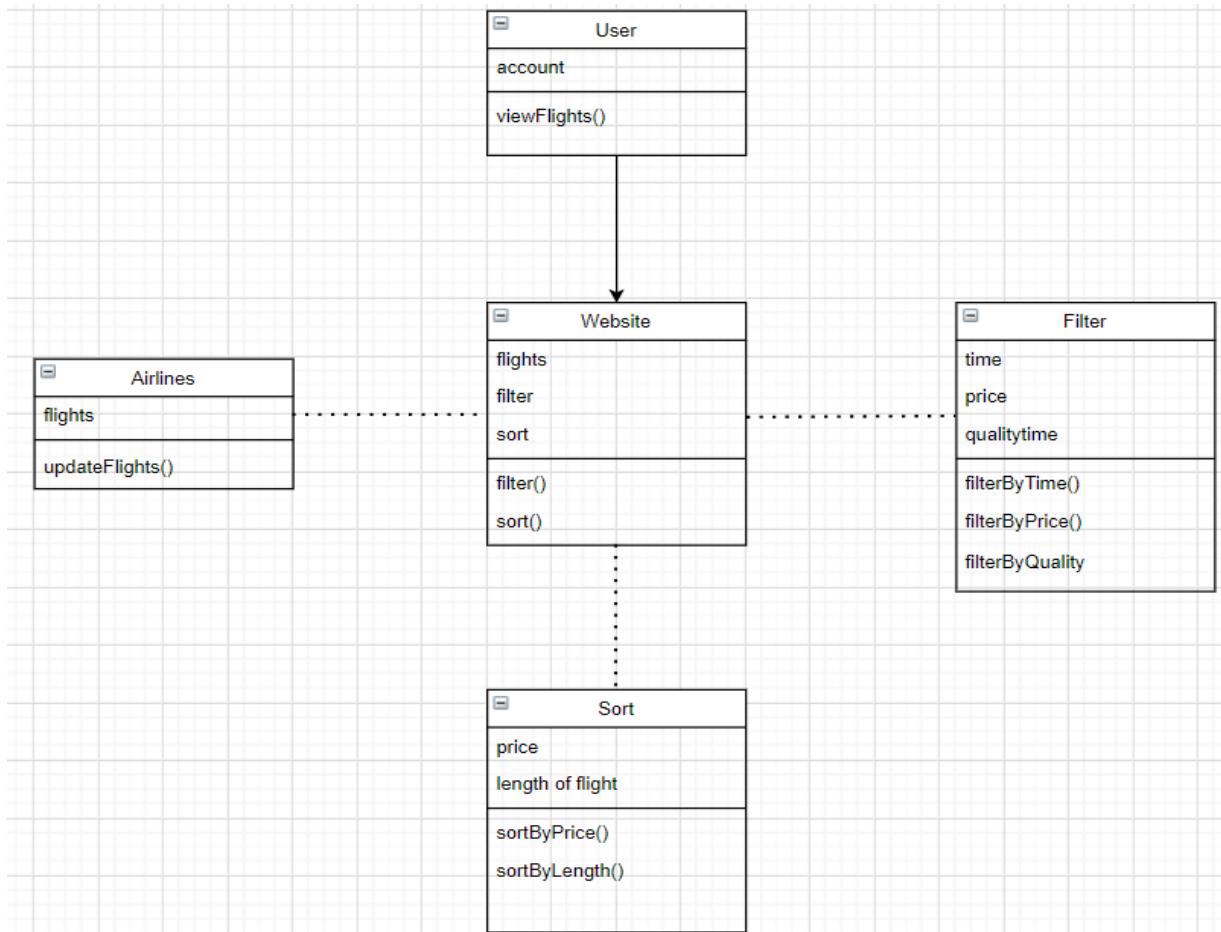**Conceptual Model**

Name	Flight Sorting
Description	The website would contain a lot of flights which may be hard to navigate through, so a feature to filter and sort flights would be necessary. A user should be able to sort through all of the available flights by applying a variety of restrictions. Sorting could include the highest price, lowest price, by length of flight, specific time of day (morning, noon or evening), slowest, fastest or quality of flight. There would also be a filter option which allows the user to omit any results they do not want, such as filtering by flights which don't require multiple airlines. The user would also be able to check for any new flights by refreshing the page.
Actors	User, Website
Preconditions	Flights must be properly labelled and available in the list
Basic Flow	User sorts flights by specification, then chooses which flight they want.
Alternate Flows	User may filter out flights they do not want to see.
Exception Flows	If no flights are available for filtering, then user may have to wait for next available flights.
Post Conditions	Flights must be sorted and filtered correctly

Noun Phrases	Object	Attributes	Actors	Irrelevant
website,flights	Important concepts			
User, airlines			Important Actors	
Time		Attributes of clock		
Length,check,morning, noon, evening, slowest, fastest				Irrelevant noun phrases
Filter, sort, price, quality, length of flight		Attributes of flight sorting Potential Objects		

Attribute	Type
Time	Primitive
Filter	Object
Sort	Object
Price	Primitive
Quality	Primitive
Length of flight	Primitive

Class	**Responsibility**
User	Uses website to access flights by creating an account/logging in.
Website	Contains all other subclasses used for finding, organizing, and updating flights.
Airlines	Continuously updates and adds flights to website database for user viewing.
Filter	Displays flights based on the criteria chosen by the user and omits all flights which do not meet the criteria.
Sort	Organizes the flights from highest/lowest based on price/length of flight.