**Travpedia** is an online travel and accommodation **booking system.**

*Travel and accommodation companies are able to subscribe to Travpedia for a monthly subscription cost of £200 plus an initial £50 joining fee. This subscription allows the company to offer their products on the Travpedia website where they can be purchased by visiting users.*

**Products** that are advertised on the Travpedia **website** include **accommodation, package holidays** and **travel** by **air, rail and sea,**

Visitors to the website, after registering an **account**, are able to search for all available products offered by these subscribed **companies**. They are able to search with a number of **criteria** including **type of product**, **location**, **date** and **price**. Users can then view these **search results** and book and pay for products through the website. Users may also rate and review individual products and services that they have purchased. A product gains a review score based on these ratings. This review rating system provides further search criteria whereby a user can filter search results by **review score**.

**Payments** made by both subscribing companies and users are handled online by a third party **consortium**. **Subscribers** must pay by **debit** or **credit card** while users have the additional option of paying with **gift vouchers** offered by Travpedia.

Users are able to view **bookings** they have made and, where possible, cancel these bookings and receive a **refund** via the third party consortium.

*Travpedia disseminates advertisements and promotional offers to users based on previous patterns of use and previous purchases. These personalised offering are sent to mobile phones through SMS and email accounts*. Users may opt out of receiving phone and email **alerts**.

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| --- | --- | --- | --- |
| **Noun** | **Accepted as class** | **Class name** | **Rationale** |
| Travpedia  booking system  website | No |  | The whole system is the Travpedia website |
| account  user  visitor | Yes | UserAccount | Class will hold user information, payment details, mailing preferences and details of bookings |
| advertisement  promotional offer | No |  | Part of subscriber promotions subsystem – outside of scope |
| product  service | Yes | Product | Superclass |
| type of product | No |  | This is defined by the subclasses of Product |
| accommodation | Yes | Accommodation | Subclass of Product |
| package | Yes | PackageHoliday | Subclass of Product |
| travel | Yes | Travel | Subclass of Product |
| air | Yes | Flight | Subclass of Travel – subclasses used because different forms of travel have some common attributes and some distinct ones |
| rail | Yes | Rail | Subclass of Travel |
| sea | Yes | Ferry | Subclass of Travel |
| alerts | No |  | Part of promotional mailing subsystem |
| booking | Yes | Booking | Class holds all information about an individual booking |
| company  subscriber | No |  | Part of subsystem that handles company subscriptions |
| consortium | No |  | Part of payment sub-system |
| payment  credit card  debit card  gift voucher  refund | Yes | Payment | Class holds information relating to a payment (refund is a negative payment) |
| search results | Yes | SearchResults | Class holds result of an individual search |
| criteria  date  price  location | No |  | These are attributes of SearchResults |
| review | Yes | Review | Class holds a product review |
| review score  product rating | No |  | These are attributes of a review |

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| --- | --- | --- |
| **Verb** | **Accepted as method** | **Rationale (if rejected)** |
| advertise | No | Out of Scope |
| register | Yes |  |
| search | Yes |  |
| offer |  | Generic term |
| book | Yes |  |
| pay | Yes |  |
| rate | No | Out of Scope |
| review | No | Out of Scope |
| purchase | No | Is encompassed by book and pay |
| filter | Yes |  |
| handle | No | Generic term |
| view | Yes |  |
| cancel | Yes |  |
| receive |  | Out of Scope |
| opt out | No | This would be accomplished by setting a field variable in the UserAccount – getters and setters are assumed and are not explicitly included here |