**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.*

**Travel products** that are advertised on the **Travpedia website** include **journeys** by **road**, **rail**, **sea** and **air**. **Accommodation** **products** include **hostels**, **hotels** and **resorts**. These products can be offered both individually and as **packages.**

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**, **number of people**, **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 **product rating**.

**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  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  banner | 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 |
| travel product  journey  road  sea  rail  air | Yes | Journey | Subclass of Product  Travel by any means will be considered to be a journey |
| accommodation product  hostels  hotel  resorts | Yes | Accommodation | Subclass of Product |
| package | Yes | PackageHoliday | Subclass of Product |
| 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  number of people  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** |
| advertise | No |  |
| register | Yes |  |
| search | Yes |  |
| offer |  |  |
| book | Yes |  |
| pay | Yes |  |
| rate | Yes |  |
| review |  |  |
| purchase |  |  |
| filter | Yes |  |
| Handle |  |  |
| view | Yes |  |
| cancel | Yes |  |
| receive |  |  |
| opt out |  |  |