**Travpedia** is an online **travel** and **hotel** 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 ~~eligible for~~ advertised on the Travpedia website include **journeys** by **road**, **rail**, **sea** and **air** and **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**. These **users** can then book and pay for these 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 a further search criteria whereby a user can filter 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 and are displayed on the Travpedia website through the use of banners.*

Users may opt out of receiving phone and email **alerts**.

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| --- | --- | --- | --- |
| **Noun** | **Accepted as class** | **Class name** | **Rationale** |
| account  user  visitor | Yes | UserAccount | Class will hold user information, payment details, mailing preferences and details of bookings |
| advertisement  promotional offer  banner | No |  | ??? |
| travel product | Yes | TravelProduct | Superclass |
| type of product | No |  | This is defined by the subclasses of TravelProduct |
| journey  road  sea  rail  air | Yes | Journey | Subclass of TravelProduct  Travel by any means will be considered to be a journey |
| accommodation | Yes | Accommodation | Subclass of TravelProduct |
| hostels |
| hotel |
| resorts |
| package | Yes | Package | Subclass of TravelProduct |
| 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 |
| credit card  debit card | Yes | PaymentCard | Class holds information about an individual payment card |
| gift voucher | Yes |  |  |
| criteria | No |  | ??? |
| number of people |
| date |
| price |
| location | Yes |  | Class stores information about a particular location – name, address, latitude, longitude etc. (Journeys will normally have a start and end location) |
| payment | Yes |  | ??? |
| products  services | Yes | TravelProducts |  |
| refund | No |  | ??? |
| review score  product rating |  |  | ??? |
| system  website  Travpedia | No |  | The whole system is the Travpedia website |

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| --- | --- | --- |
| Verb | Accepted as method | Rationale |
| display |  |  |
| filter |  |  |
| handle |  |  |
| offer |  |  |
| opt out |  |  |
| pay |  |  |
| purchase |  |  |
| rate |  |  |
| receive |  |  |
| register |  |  |
| review |  |  |
| search |  |  |
| view |  |  |
|  |  |  |