**Objects**

The database contains information about the highest points of Europe. It shall be the kind of social network that enables users to share the information, their accounts, as well as search advises and companions for future expeditions.

**Domain**

The highest points of Europe are understood to be the highest peaks or natural elevations of each European state. This definition is associated with some problems in case of:

* Countries located in two continents, when the highest peak is situated in non-European part (Turkey - Ararat, Russia - Elbrus)
* The highest point of country is not situated on the peak, but on the highest mountain e.g. on its hillside (when border does not follow the peak)
* The country maintains colonies, overseas countries and territories

Besides, the definitions of European borders are ambiguous.

Most people solve this problem by clarification of this definition to the highest points situated in Europe (e.g. for Turkey Mahya Daǧι instead of Ararat), assuming border defined by International Geographical Union.

However it should be noted that fix solution of this problem does not exist and our system ought enable users to decide by themselves. Hence our database will contain information about commonly accepted peaks according above definition (called here *Proper Points*) – one per state, as well as alternative the highest points (called here *Alternative Points*)

Users:

* Visitor – unsigned user. He can search for information about peaks, read users’ posts and comments
* Member – signed user. He can add posts and comments, browse profiles of another members, document his achievements, find companions and send private messages to another users

**Example queries**

1. Select people who want to go on peak A and search for companions
2. Select people who were on peak A
3. Select people who tried to reach peak A
4. Select list of Proper Points
5. Select list of all Points
6. Select list of all Points for state A
7. Select all tips given by user A
8. Select all posts and comments associated with peak A
9. Select all received private messages of user A
10. Select all private messages sent by user A