REPUBLIC OF MACEDONIA
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# Final project proposal

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|---|---|
| **Type** | Master |
| **Title** | ***Automatic tag generation and suggestion methods*** |
| **Supervisor** | ass. prof. Gjorgji Madjarov |
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| **Department / Group** | |
| Software engineering | |
| **Topic(s)** | |
| Pattern recognition | |
| **Project can start from** | 01.04.2014 – 01.03.2015 |
| **Project duration** | 4 months |
| **Short description** | |
| The increased popularity of tagging during the last few years can be mainly attributed to its embracing by most of the recently thriving user-centric content publishing and management Web 2.0 applications. Common for the first generation of tagging systems (Flickr, delicious, stackoverflow…) seems the use of flat tags that do not impose a hierarchy or any other existing relationships to each other. The lack of established relationships between tags is a limiting factor: one cannot easily see the tags with wider or narrower meaning than a concrete tag; it is difficult to get a broad overview of what tags exist in the tagging systems; the same content can be tagged differently by different people; the process of automatic tag suggestion is getting more difficult as a result of the vast number of possible tags. The goal of this project is to develop effective methods for automatic tag generation and suggestion in large-scale applications (where the flat tagging cannot be easily applied) by using the (hidden) relations that exist between the tags in the tag cloud. | |
| **Results and assessment** | |
| The final result from the project should be a written report on the methods that analyze the tag cloud. Also implementation of system for automatic tag generation and suggestion should be provided for Stack Overflow system. This implementation will be tested and evaluated on existing stack overflow database. The results from the testing and evaluation should be also reported and presented. | |
| **Other (additional) information** | |
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