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The authentication can be provided by Wikipedia OAuth service API. Users can use their existing credentials. The platform must follow the best practices that has been proven to reliably lead to community engagement and participation. For this reason, the application must keep track of who did what and when, providing the full history of changes, allowing quick undo for error and vandalism correction. All these software components will be arranged in an open source tool, freely usable and editable.

7 Conclusion and future work

In this paper we presented an approach to create and improve the mapping between OpenStreetMap street names and entities represented in structured knowledge bases. The ultimate goal is to generate maps where each street name can be explored in terms of the properties of its related entity, enabling a deeper analysis that provides insights into the geographic culture, history, and politics of a place. The automated mapping of entities with street names was complemented by the implementation of a custom ranking algorithm, which improved upon the default ranking obtained from the knowledge base. After identifying the limitations of an automated solution, we designed a web platform to better fulfill our goal.

This approach will enrich the semantics of OpenStreetMap and Wikipedia, creating a new, machine-readable information layer that connects toponyms with known entities. This knowledge can be returned to the community to be freely used for general exploration, tourism, and research. In the short term, we will make this mapping available online to be easily processed with other tools and linked to other knowledge bases. In parallel, we will continue the development of the web platform and its algorithms, extending it from the Italian case to other languages. Increasing access to this kind of cultural geo-information will trigger new and engaging ways to navigate and understand the intricacies of places.

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