

Q

Categories: [charles rennie mackintosh buildings](#)

	Entity	User Feedback	Category
1	 <p>glasgow school of art The Glasgow School of Art (GSA) is Scotland's only independent art school offering university level programm... charles rennie mackintosh buildings+ 1899 architecture+ glasgow school of art+ art museums and galler...</p>		<ul style="list-style-type: none"> + charles rennie mackintosh buildings 78 derngate hill house, scotland the lighthouse ruchill church hall h... + architecture magazines blueprint i.d. dwell kiosk deutsche bauzeitung der sturm + media in glasgow bbc scotland the real mackay sunday mail the drouth bbc radio scott... + art magazines ideafixa just another asshole public illumination magazine mineshaft m... + newspapers published in scotland evening express student cumbernauld news amp kilsyth chronicle clyd... + scottish architecture tolbooth adam style royal commission on the ancient and historical monu... + theatre of cruelty julian beck flarfpoetry futurism neue slowenische kunst drop art ... + science occupations astronomer educational technologist microbiologist geographer me... + church architecture stave church confessional bye-altar pulpitum decani rayonnant + buildings and structures in glasgow the apollo glasgow city hall university of glasgow scottish football muse... + 1899 architecture st mary church eccleston james beauchamp clark house roonstrasse syn...
2	 <p>queen cross church glasgow Queen's Cross Church is a former Church of Scotland parish church in Glasgow, Scotland. It is the only church... charles rennie mackintosh buildings+ churches in glasgow+ category a listed buildings+</p>		
3	 <p>house for an art lover The House for an Art Lover is based on a design produced in 1901 by Charles Rennie Mackintosh with his wif... charles rennie mackintosh buildings+ buildings and structures in glasgow+ houses in scotland+</p>		
4	 <p>willow tearooms The Willow Tearooms are tearooms at 217 Sauchiehall Street, Glasgow, Scotland, designed by internationally... charles rennie mackintosh buildings+ buildings and structures in glasgow+ 1903 architecture+ listed buil...</p>		
5	 <p>78 derngate 78 Derngate is a Grade II* listed Georgian house in the Derngate area of Northampton, England, originally bui... charles rennie mackintosh buildings+</p>		
6	 <p>martyrs public school The Martyrs' Public School, in Parson Street in the Townhead area of Glasgow, Scotland, is one of the earlier ... charles rennie mackintosh buildings+ buildings and structures in glasgow+</p>		
7	 <p>scotland street school museum Scotland Street School Museum is a museum of school education in Glasgow, Scotland, in the district of Trade... charles rennie mackintosh buildings+ 1903 architecture+ museums in glasgow+ listed buildings in glasg...</p>		
8	 <p>the lighthouse The Lighthouse in Glasgow is Scotland's Centre for Design and Architecture, designed by the architect Charle... charles rennie mackintosh buildings+ scottish architecture+ arts centre+ listed buildings in glasgow+ dr...</p>		

Figure 2: Search interface of ESearch

nie Mackintosh to retrieve buildings or structures designed by Charles Rennie Mackintosh. The system automatically identifies the requirements, and recommends the audience some relevant categories such as *charles rennie mackintosh buildings* and *buildings and structures in glasgow*. The audience can then select some recommended entity types for type feedback. If the audience does not satisfy with the results, he can select some desired entities as positive feedbacks or some others as negative feedbacks to re-rank the results. We also implement the baseline solutions studied in the experiments to allow users to compare the performance of these solutions.

4. CONCLUSION

Category matching is important for the performance of entity search. An effective solution of entity search can be created by associating context matching (based on an unstructured text corpus) and category matching (based on a structured knowledge base). However, finding effective entity types as the inputs of category matching is a challenging task. ESearch effectively addresses this challenge by using a ranking model for entity types with the query and the resulting entities as inputs of type ranking. It shows that both blind feedback and a simple user feedback of entities or their types can largely improve the search performance.

5. ACKNOWLEDGEMENT

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