Android App For Question& Answer

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Abstract- *Today people use the Internet to find the answer to their questions. They mostly rather ask other users on Community Question Answering (CQA) sites for an answer than just searching the web. However, as Social Media becomes more popular, users tend to ask their questions on these networks, and ignore the benefits CQA sites offer. On the other hand, automatic Question Answering (QA) systems are unable to comprehend questions including images and implementing necessary algorithms for such systems is expensive. In this paper, we propose QA process based on Crowd sourcing, which runs on a QA open system. The system benefits from Crowd sourcing advantages, besides automation techniques. . The model is operational and we have demonstrated that questions could be received.*

Keywords- Crowdsourcing; We, ; Question Answering

I. INTRODUCTION

Internet users usually use search engines to find the answer to their questions. However, when they fail to transform their needs such as open questions, personal questions and the ones associated with specific conditions into a short query, they assume that they will not find the answer to their complicated questions by searching the webpages directly, and that a real human being would understand their problem much better than a machine. In these cases, users usually would prefer to ask their questions on Community Question Answering (CQA) sites such as Yahoo! Answers, Quora and Stack Overflow, rather than issuing a query to a Web search engine, this way other users could provide the answer. Moreover, in order to find the answer to a question in webpages using search engines, the user must choose suitable keywords which not every user is capable of. Increasing number of questioners in CQA and the few accounts

II. System architecture

1) Receiving question from requester

The proposed QA system is not limited to a certain interface for receiving questions. Questions could be received from different sources such as social media networks, E-mail, web user interface, mobile applications, and Text message and so on, if the required module is developed for the middle layer.

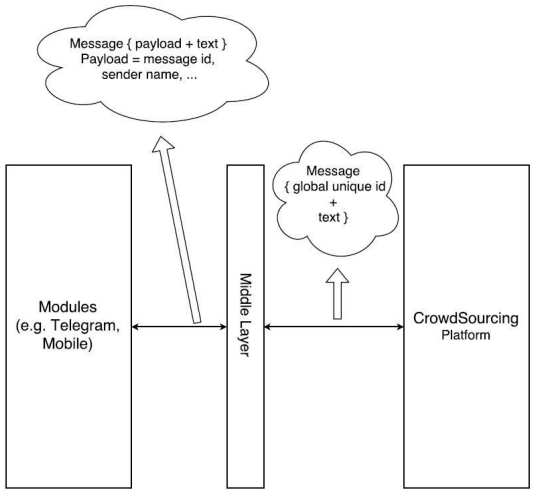

Figure 1 - Architecture of the proposed system

2. Combination of question mark and common keywords in questions

According to the study done by Li et al.[17], there are several types of questions which all contain a question mark but the questioner is not always looking for an answer. Therefore, a message can't be identified as a question, simply because it contains a question mark. After exploring questions asked in Telegram groups, we presumed that messages containing "explain" or "introduce" keywords and a question mark.

2) Registering In The Middle Layer

The role of middle layer is to eliminate the existing dependency between crowd sourcing and the sources providing questions. To add a new source in order to collect questions or testing new algorithms in identifying questions, you are just required to develop a new independent module

3) Question Tagging By Workers

Since in this QA system, the priority of scalability is high, no restriction is considered for posting questions. For instance, if a requester had to declare the subject of question at submission time, then it was no

Longer possible to receive questions from some social media networks such as twitter,

Which have a character limit. Yet, more information is required in order to organize
Questions.

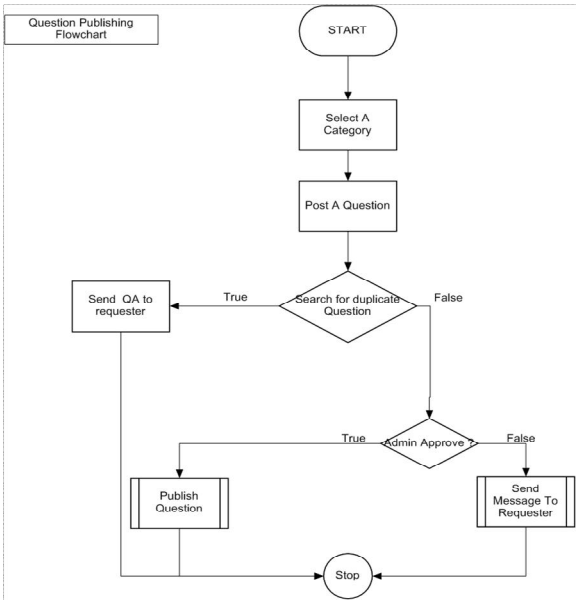

Figure 2:Flow chart

III. METHOD

Here QA process is a set of operations and steps a question has to take through the proposed system, so that a final result is Produced and sent to the requester.

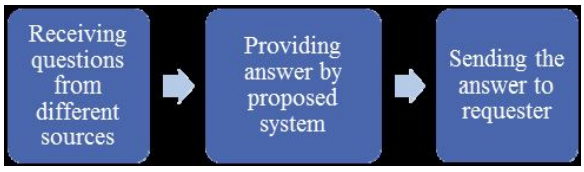

Figure 3: QA process in the proposed system

Figure 4: General QA process

IV. ANDROID MODULE:

We develop a web application and Android application to provide a platform for both publisher and subscriber to ask, to answer as per their needs and requirement. In this paper we talk about Android application which is developed to allow a user to access website features anytime. We use Android Studio and SDK to develop this application. We have utilized various APIs of Android SDK such as JSON, HTTP, and Shared Preferences etc. In the Android application, we use other third-party libraries for displaying the splash screen, on boarding screen, navigation drawer (menu). There are still few features that can't access and they required lots of development time such as online chat features.

This application is minimalist design based application. It contains few graphics, animation and clean and simple UI.

Menus:

Select the one which you want to ask or tell.

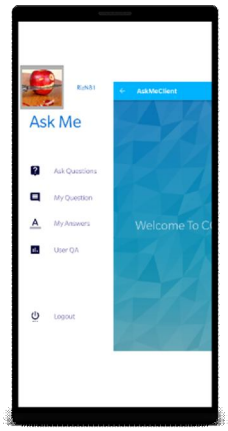

Fig 5: Menus

5. Ask Question and Answer:

Write your question and answer post it. It will handle all questions related functionality. We use servlets to implement questions service.

Fig 6: Question and Answer

V. CONCLUSION

The main purpose of developing AskMe Client app to provide the user an option to post a question, answer or view the answer received by him for his posted question On the go. We develope this application on Android platform. Android is fast growing platform and provides various features to ease the development. We design this application with Easy to use interface. All the data are fetched from the server. Since our server application running on the localhost we need to provide server IP and port so Application can communicate with the server. Both server and application need to be connected to the same network. A User can also create a new account through the application.

REFERENCES

[1] A. Shtok, G. Dror, Y. Maarek, and I. Szpektor, "Learning from the Past: Answering New Questions with Past Answers," in Proceedings of the 21st international conference on World Wide Web - WWW '12, 2012, p. 759.

[2] K. Kim, S. Lee, J. Son, and M. Cha, "Finding informative Q&As on twitter," in Proceedings of the 23rd International Conference on World Wide Web - WWW '14 Companion, 2014, pp. 319–320.

[3] L. B. Chilton, G. Little, D. Edge, D. S. Weld, and J. A. Landay, "Cascade: Crowdsourcing Taxonomy Creation," in Proceedings of the SIGCHI Conference on Human Factors in Computing Systems -CHI '13, 2013, p. 1999.

[4] G. Xintong, W. Hongzhi, Y. Song, and G. Hong, "Brief survey of crowdsourcing for data mining," Expert Syst. Appl., vol. 41, no. 17, pp. 7987–7994, Dec. 2014.

[5] J. Hentschel and J. Pal, "Sada Vehra: a framework for crowdsourcing Punjabi language content," in Proceedings of the Seventh International Conference on Information and Communication Technologies and Development - ICTD '15, 2015, pp. 1–4.

[6] S.-K. Choi, J.-H. Shin, and Y.-G. Kim, "Semi-automatic Filtering of Translation Errors in Triangle Corpus."

[7] L. Mitchell, S. O'Brien, and J. Roturier, "Quality evaluation in community post-editing," Mach. Transl., vol. 28, no. 3–4, pp. 237– 262, Dec. 2014.

[8] O. Alonso, D. E. Rose, and B. Stewart, "Crowdsourcing for relevance evaluation," ACM SIGIR Forum, vol. 42, no. 2, p. 9, Nov. 4192.

[9] M.-C. Yuen, I. King, and K.-S. Leung, "A Survey of Crowdsourcing Systems," in 2011 IEEE Third Int'l Conference on Privacy, Security, Risk and Trust and 2011 IEEE Third Int'l Conference on Social Computing, 2011, pp. 766–773.

[10] D. Geiger and M. Schader, "Personalized task recommendation in crowdsourcing information systems — Current state of the art," Decis. Support Syst., vol. 65, pp. 3–16, Sep. 2014.

[11] A. Kittur, B. Smus, S. Khamkar, and R. E. Kraut, "Crowd Forge: Crowdsourcing Complex Work," in Proceedings of the 24th annual ACM symposium on User interface software and technology - UIST '11, 2011, p. 43.

[12] D. Notkin, B. H. C. Cheng, K. Pohl, M. IEEE Computer Society., and Institute of Electrical and Electronics Engineers., "Pricing crowdsourcing-based software development tasks," in Proceedings of the 2013 International Conference on Software Engineering, 2013, pp. 1205–1208.

[13] J.-W. Jeong, M. R. Morris, J. Teevan, and D. Liebling, "A Crowd- Powered Socially Embedded Search Engine," in International AAAI Conference on Web and SocialMedia; SeventhInternational AAAI Conference on Weblogs and Social Media, 2013.

[14] "Personalized task recommendation in crowdsourcing information systems — Current state of the art."

[15] K. Mao, Y. Yang, Q. Wang, Y. Jia, and M. Harman, "Developer Recommendation for Crowdsourced Software Development Tasks," in 2015 IEEE Symposium on Service-Oriented System Engineering, 2015, pp. 347–356.

[16] M. Allahbakhsh, B. Benatallah, A. Ignjatovic, H. R. Motahari- Nezhad, E. Bertino, and S. Dustdar, "Quality Control in Crowdsourcing Systems: Issues and Directions," IEEE Internet Comput., vol. 17, no. 2, pp. 76–81, Mar. 2013.

[17] B. Li, X. Si, M. R. Lyu, I. King, and E. Y. Chang, "Question identification on twitter," in Proceedings of the 20th ACM international conference on Information and knowledgemanagement - CIKM '11, 2011, p. 2477.