

## Project Proposal

Getting and posing questions is one of the communal practices in today's world. Attempting to create a generic forum for such a task is artless and most likely be futile. But, making such a discussion personalized is an appealing task. We are thinking of developing a platform which aggregates questions and answers on topics where, users can collaborate by editing questions and suggesting edits to other users' answers. We are more interested in personalizing the above task, by allowing the users to create certain groups of people, who alone can access those specific questions intended for them and also post common ones to all (idea inspired from google+ circles). It totally depends on the user to make the content public or private to his circles! It will serve as a platform that is created, edited and managed by its own community of users.

There are quite few challenges involved in designing a personalized question-and-answer website. One is that the user's information must remain sensitive, as in not all users can see the posts made by him. Information must only be visible to the users whom he is wishing to give access. Another key aspect is concurrency. The application must handle the scenarios like multiple users are editing the same answer, multiple answers being posted at the same time. The application must be able to scale up in real time. When it hits the ground and having many social users using it, it must serve as a platform completely reliable, scalable and user friendly to make it stick out from the other social bookmarking sites. It must also be cross platform as the user may access it from different devices.

There are quite some social bookmarking sites like Quora, ChaCha etc. But however giving a personalized access is not very common in this platform, which we see it as a special case of our application. Our proposal thus introduces a question-and answer site, for collaborating with other social friends with added access control. The key features of our site are:

- Create personalized groups of people around you.
- Discuss and share questions-and-answers, comments only with personalized groups of people around you.
- Collaborate to improve the quality of solutions.
- Read amazing questions-and-answers.

We feel that Dopamine Javascript library suits our needs as the server needs to send push notifications for the user actions like posting new questions/answers, edits etc. We are also planning to use application cache to support offline execution.