Integration of Social Database with UID Aadhar for Elimination of Fake Social Profiles

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Abstract - Idea of eliminating fake social profiles is basically related to some real life incidents, where fake profiles are used to bullying someone. This study is focused on determining the pros and cons, with are needed to be considered nowadays for a safe and healthy virtual world. In the case of India, Government needs to create some rules for operating the social account like Facebook, that user needs to update their Aadhar information in their accounts, in otherwise cases, company should take necessary actions. This integration of Aadhar information to the social account will result in activated genuine accounts of peoples. Ones an Aadhar number is integrated with profile; same will not be applicable to any other profile. Every user will be provided the administration of some defined number of pages and groups, associated with the profile. The users who don't owe the Aadhar number yet, should be given a time slot of 45 days, from the date of notification. Users unable to update Aadhar number can be treated as the owner of suspected profiles, and further action under Cyber Laws will be taken. As the Law of California declares, creating the Facebook profiles and/or pages on the name of someone else's, is illegal.

Key Words: *Social Profile, Aadhar number, Cyber Laws, CIDR, AUA, ASA.*

1.INTRODUCTION

In present era of digitization in India, using social networking sites for communication is very common, and it has somehow taken place as a best communication medium between friends and family. Peoples are very much comfortable with the use of this medium of communication as to get in touch with their friends because having conversations over internet in the form for text, images, videos and audio messages made conversation very interesting and interactive.

On the other hand a rising problem is the introduction of fake kind of social profiles. We cannot identify the profiles which are created with the fake or duplicate information. At the time of creation of new profile i.e. sign-up process; email and mobile phone number is verified, but it is not sufficient to say that the user is a genuine user. One may have too many mobile numbers and email ID's, thus only verification through email and mobile number is not enough to make a

genuine profile. Thus it needs to have some unique identity and getting it verified by issuing authority to ensure the profile is correct and genuine.

1.PROBLEM DESCRIPTION IN CONTEXT OF INDIA

In context of India, the problem of fake ID is regularly increasing, and there is nothing to control over this. We only can report the particular ID as annoying or fake, but necessary actions are not taken to remover, because there is no strict rule for identifying the profile to be genuine or fake.

We are facing this problem and cannot do anything to overcome this issue. Many residents have faced the issues and being annoyed by fake profiles, and they only have an option of blocking the particular profile, but it is not a solution of overcoming the problem

2.PROPOSED MODEL FOR ABOVE PROBLEM

To overcome with these issues, we can use the UIDAI-Aadhar (further termed as Aadhar) identity as one of mandatory field for creation and/or operating the social profile. This integration of Aadhar and social media could be result as an efficient tool for spotting and removing the fake profiles. If this happens, we can be sure about the profiles that these are real and genuine.

Abbreviations and Acronyms

In this discussion, abbreviations used are Unique Identification Authority of India (**UIDAI**), Authentication User Agency (**AUA**), Authentication Service Agency (**ASA**) and Central Identities Data Repository (**CIDR**). Aadhar will be used as acronym for UIDAI- Aadhar and Social ID as Social profiles.

3.1 Model for registering a new user (Sign-Up process)

With the use of Aadhar, creation of ID with fake information will not be so easy, as nowadays with emails and mobile number. To create an account, one will be mandatorily needed to have Aadhar number. Aadhar number will be the mandatory field for creating any new ID. The entered details along with Aadhar number will be verified at the time of creation of profile. Flow of information for creating a new profile is shown in diagram labeled figure. 1.

One user enters the details and submits for requesting to create a new account; name and date of birth and fathers

name will be verified through the Aadhar verification, and for verifying Aadhar number (12- digit unique number), the request will be sent to AUA, AUA is responsible for authentication of Aadhar with ASA, hence the request will be forwarded to ASA. Once ASA gets the request containing Aadhar number, the information will be fetched from CIDR and ASA will return the response as in the form of YES/NO.

If response yes is received, the success message will be given to the user and profile creation will be done,

information will be then stored in Social ID database. If response NO received, user will be notified for entering correct details to create profile, in otherwise cases, no profiles will be created. To do this, the following field can be added:

<input type="text" name="adharnumber" placeholder="Aadhar Number" max="12" required />
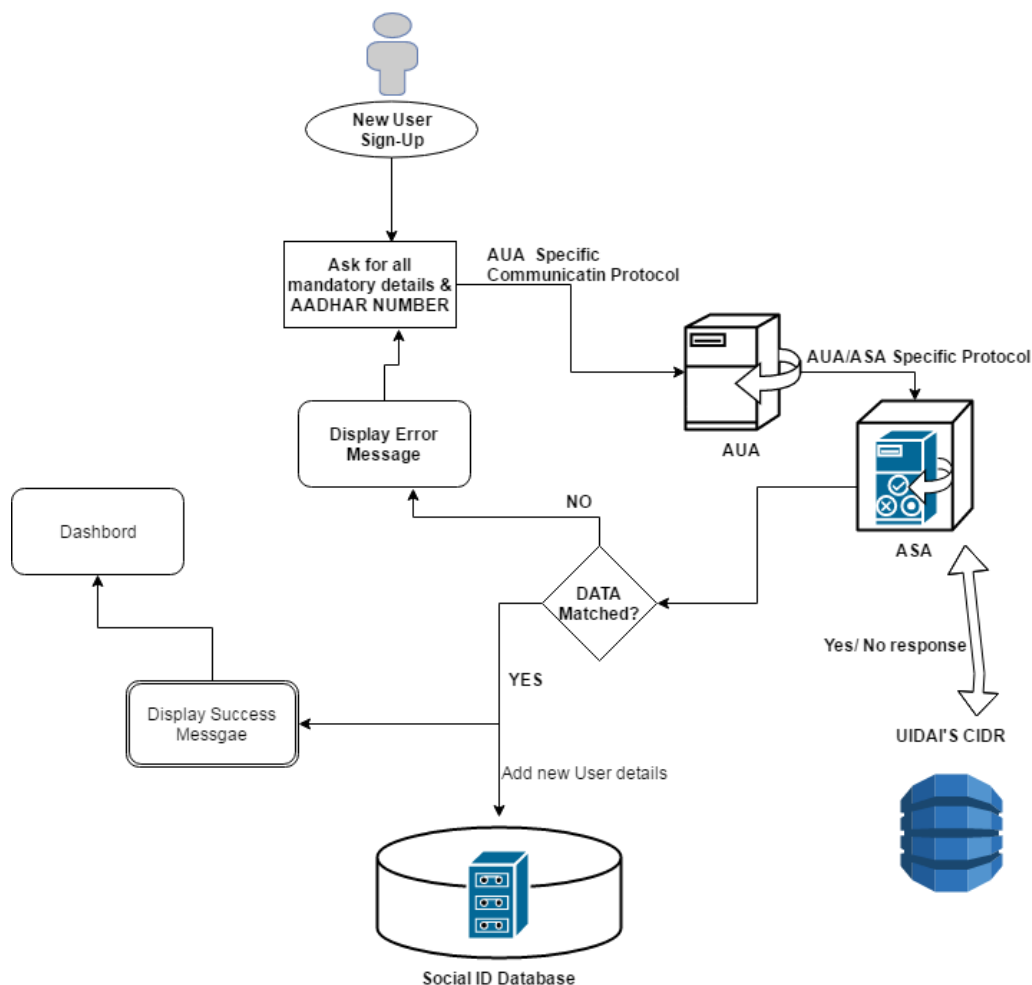
3.2 Model for Existing Users (Sign-In process)

When any existing user signs in, we need to check the Aadhar details of the user. If user has not updated his/her Aadhar number to his/her profile, a pop-up message or a notification message for updating the Aadhar to continue using this account, will be displayed on dashboard after successful login. User needs to add Aadhar number to profile. Entered number will be verified with CIDR with the help of AUA and ASA as we discussed above in section A. and once

Aadhar is validated, the social profile database will be updated and details will be saved to corresponding profiles. After successful verification of Aadhar, user can continue using account without any troubles. And if entered number is duplicate or invalid, the error message will be displayed and user will be continued with dashboard as presently going on. Hence Aadhar number identity will be integrated with social account. The model for existing users is shown in diagram.
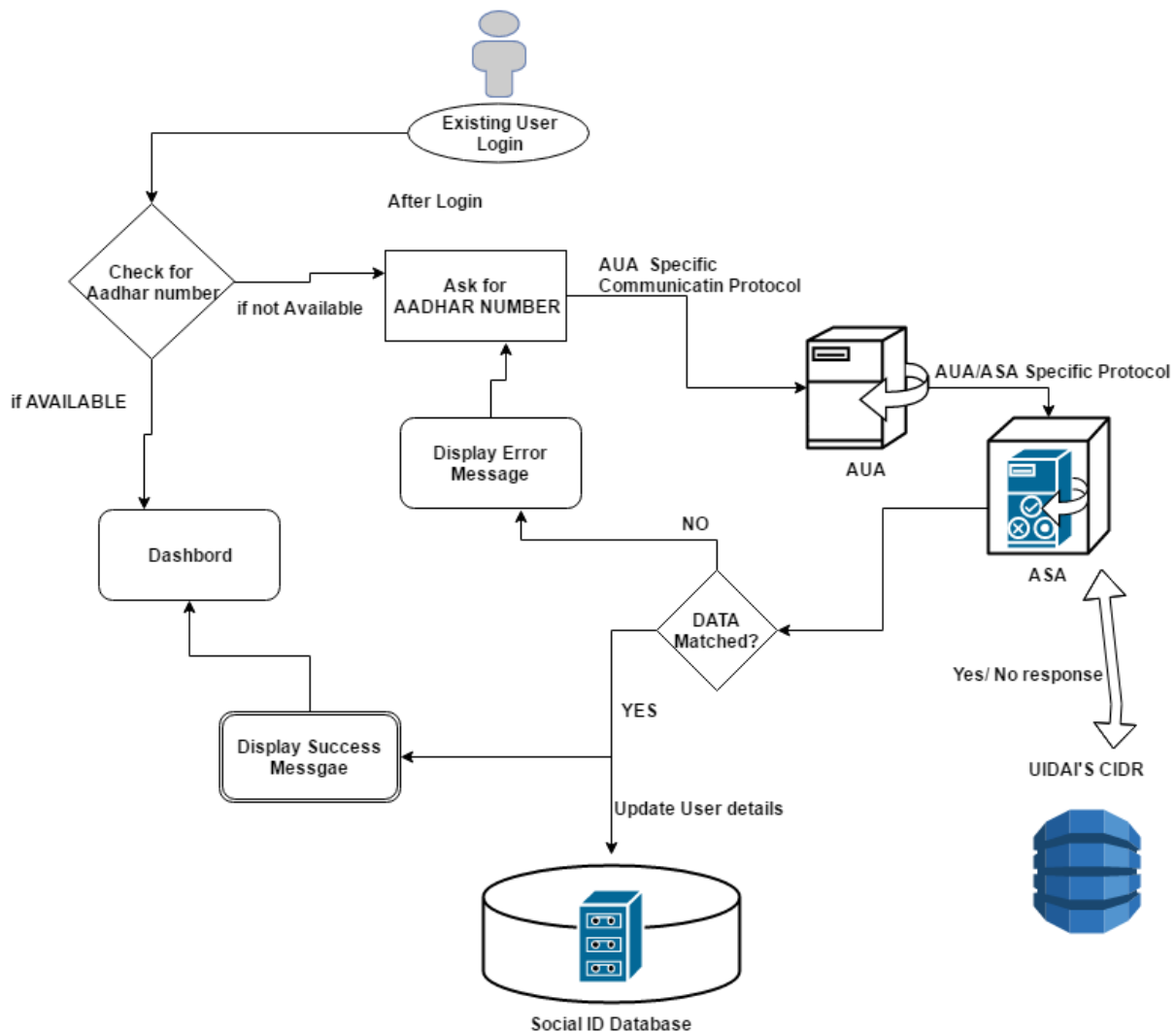
4. CONCLUSION

All this work can be concluded as the successful creation and identification of genuine profiles. All new profiles which are created after implementation of this idea will be genuine because creation of profile is integrated with entering Aadhar number. Failing to provide the unique identity Aadhar in registration process, this will lead to failure in creating a new profile. On other hand, the existing profiles will be updated with the unique identity number, failing in update of Aadhar can lead to deactivation of profiles or some further rules can be defined in otherwise cases. Having Aadhar integrated social profiles; we can safely go to the virtual world and fearlessly be with that. This integration will be helpful for protecting our social life to be safe and threat free. This will eliminate almost of the fake and duplicated profiles which are trending now a days. The annoying profiles can be spotted and thus further necessary actions can be taken as the rules will describe.

5. FURTHER DISCUSSION

Question arises here, residents, who don't owe the UID-Aadhar yet, and using the social profiles, what will be necessary actions for them? This question is very genuine and this problem can be solved by giving existing profiles a limited time span of getting their unique identity issued and thus updating their Aadhar with the profiles, the rule of timespan would be decided by regulating authorities, after passage of given time, further actions can be taken against those profiles which are not updated with Aadhar number. Actions should be for profiles, not for persons. Once these profiles are deactivated, further activation of profile will need Aadhar number to be entered first.

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