

Problem Statement – Solution

(Artificial Intelligence)

Introduction/ Understanding the Problem statement:

As the world is moving toward new technologies, one needs a better platform where they can find the information related to daily works. This information may include calendar events, sports events etc. and some social media updates like, the information about the corporate world, Facebook notifications, Twitter notifications etc.

It is not possible all the time for an individual to access this info in between working schedules. Now the main problem behind this is that there is no single platform which provides the required information about all these needs.

Details of technology Used:

Automation in fetching data.

Artificial Intelligence for Chatbot development for health tips.

Programming Languages:

Python 3

Whenever it comes to work with the data fetching from internet, python language has always proved its proficiency with the huge amount of libraries and easy to use work environment. So python is used here to fetch the data which will be shown on the API and using python the system can be easily developed to have a more advanced services.

Required Software:

Python 3.6/ PyCharm 2018, JSON

Achieved cost saving:

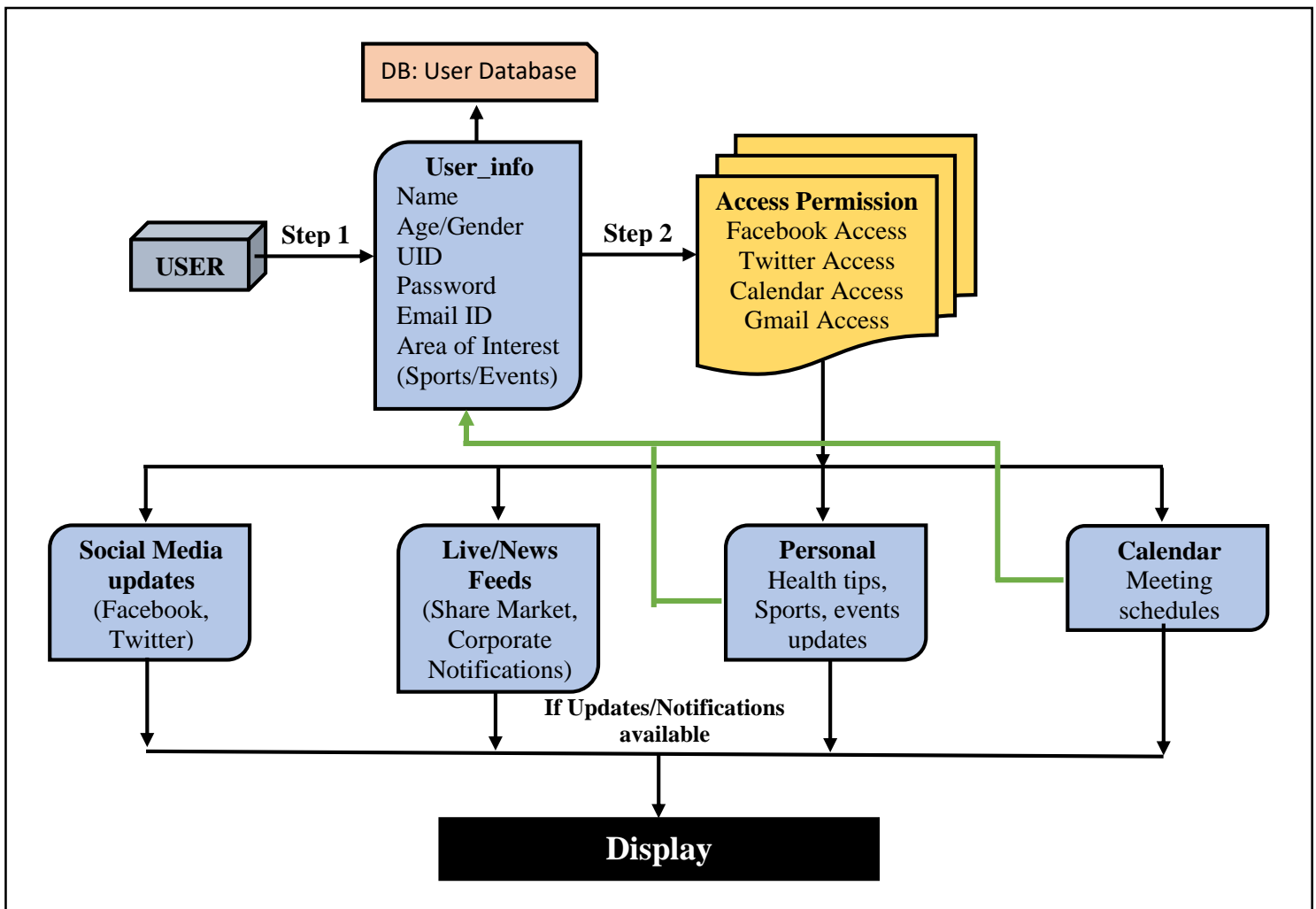
As the user will get all the notifications and updates at the same platform, this will surely reduce the time cost at great extent. As this information is available on internet, the cost is not the issue with provided system.

Architecture:

Desktop version will be generated which will include following requirements, access permissions and information of the user

- 1) Personal details including Name, Gender, Age, Area of Interest, etc.
- 2) Access permissions to the data usage of Facebook, Twitter, Gmail and Calendar.
- 3) Internet access to get live feeds for sports events and share market updates

Flow:



- Third party python packages for retrieving data for following requirements:
 - Share market updates (package: nsetools.py)
 - Sports/events updates according to users feeds(sports.py)
- API based service to receive Gmail notifications, Facebook updates and Twitter trends.
- User friendly health care tips generation using third party tools
- Software generation for the fusion of all the above events and getting combined feeds to the users.
- More interactive blog pop-up with the permission of user

Solution Brief Description:

The technology as above aims in development of a desktop version platform through Python to fuse the packages to get various data for the user. On installation the software ask the user for the following details for further reference:

- 1) Name of the user
- 2) Age and Gender
- 3) UID
- 4) Password
- 5) Area of Interest (Sports/Events)

Also, user needs to provide permission for data access from Social Media like Facebook, twitter, calendar and Gmail.

Third party packages like “sports” and “nsetools” are used to fetch the data for the user from online servers for sports and events according got the users choice and share market updates as well respectively.

Again Artificial Intelligence based Chatbot may be deployed to enable the user to receive health tips on timely basis and on interrupt generation.

Scope of Automation:

Since the technology is efficient in providing live feeds and updates from social media and current affairs including share market updates, thus providing automation in the same.

Again the user will receive lots of fun learning with the BOT about health tips, which will indirectly automate the medical sector as well.

Conclusion:

The technology or the service as above will be able to fetch data for following events:

- User should be notified about his/her meeting schedules on timely basis
- Share live updates about user's favorite sport or events
- User shall be informed about current happens in the share market
- Keep user up to date about corporate notifications
- User should have fun learning with BOT about health tips
- Share Facebook updates
- Share /notice twitter trends

The system will use the concept of Artificial Intelligence to update the area of interest of an individual by using recording the action of user which will help user to find the information at doorstep without any unnecessary information.