

IDEA/APPROACH

Technology Bucket: Software - Web App development

Organization: A.I.C.T.E

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Problem Statement: Bulk email & SMS Communication Portal

Category: Software

Problem Code: AI5

College Code: 1-3512681128

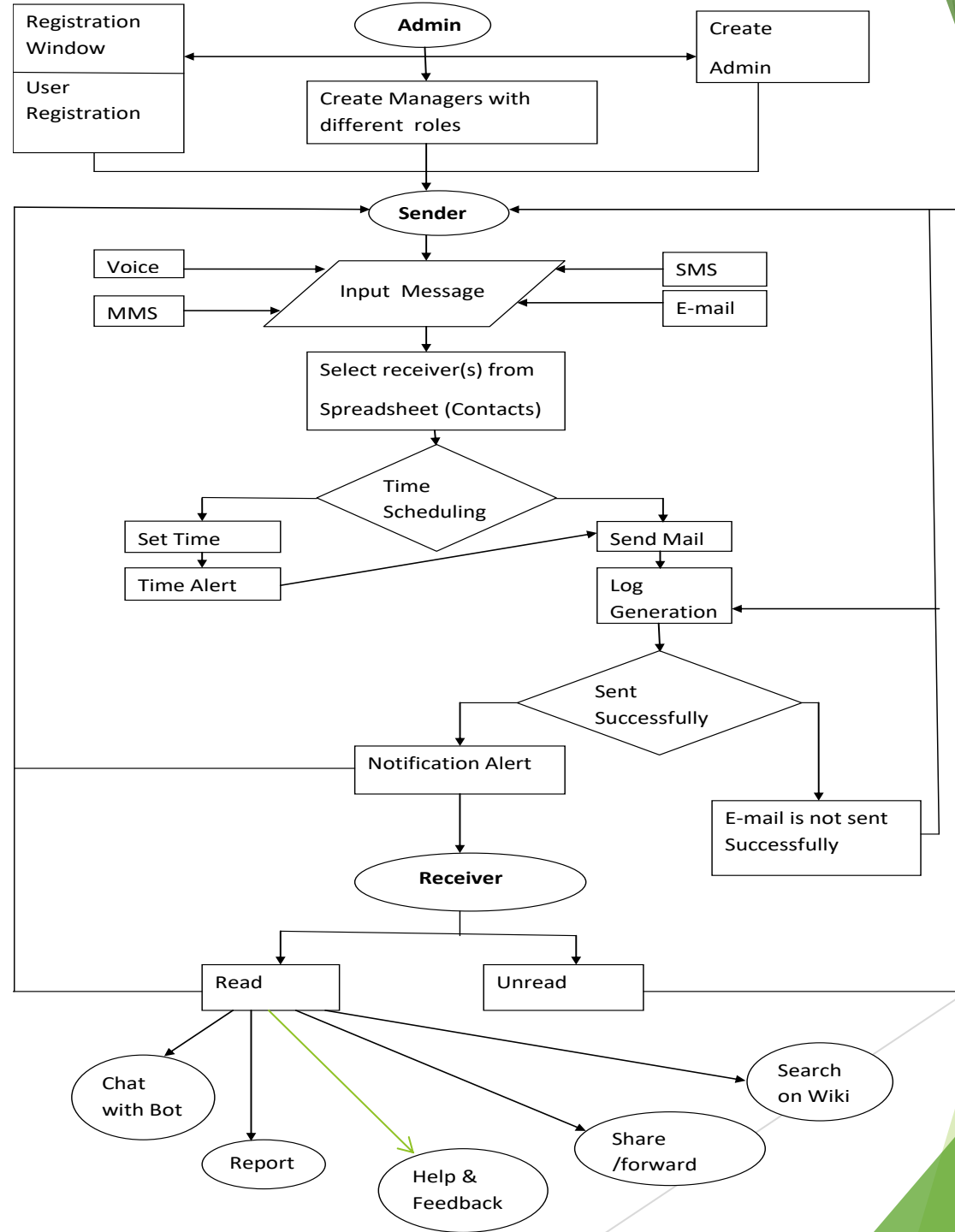
APPROACH

- The portal can be used for sending data in different formats like Voice , SMS ,MMS ,Email etc.
- Users have to register first for using this portal and are authenticated using 2-factor authentication method .
- Sender can use time scheduling option for delaying email transmission (provided with time alerts).
- Sender will get every notification like for successful or unsuccessful delivery of the message ,read or unread status etc.
- For every transmission ,a log file is generated which is updated in case email is not sent.
- Receiver is provided with various options like chat with bot , forward ,help and feedback ,report ,search on wiki, sharing on different platforms (facebook , whatsapp) etc.

Why to use this portal?

- High accuracy
- Less time consumption
- Cost efficient
- Scalable
- Robust
- Log generation and updation

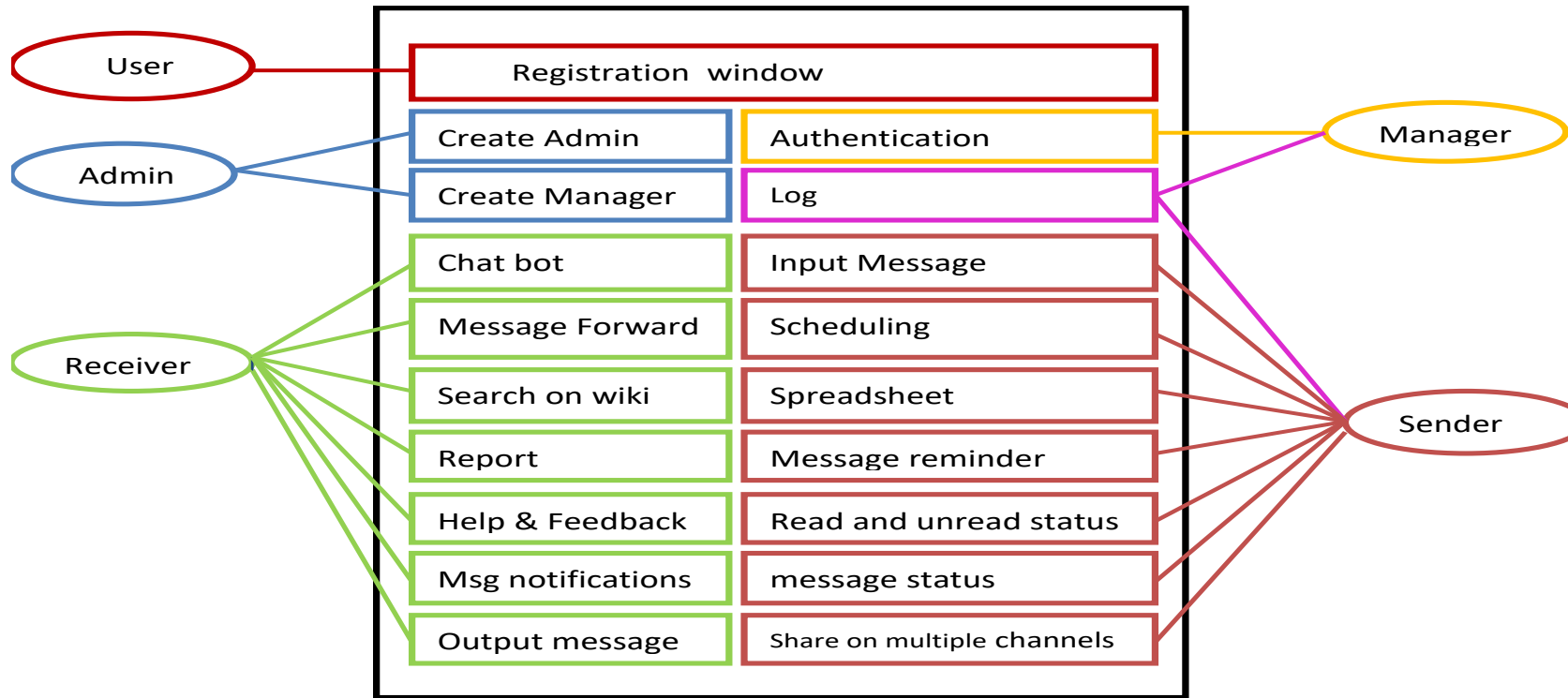
Solution :



Technologies Used:

- HTML
- CSS
- JavaScript
- Bootstrap
- Python
- Django
- Twilio API

Use Cases:



Dependencies:

Twilio API: We are mainly dependent on modern Twilio API features. Some of them are :-

- Make and receive phone calls
- Send and receive text messages
- Notifications & alerts
- Text to speech
- Conference calls
- Two factor authentication system
- Survey/polls
- Robust messaging bots and voice assistants