Concept:

In today’s world, using applications to send/receive mails inside or outside of current network is wildly used.

For this project you must create an application that contains the information needed.

About:

Suppose you we have a system in which clients write/edit/send emails to one or more recipients.

Requirements:

* Users must login to their emails
* Users can write mail inside the application
* Users can modify unsent mails
* Users can send mails to one or more recipients
* Users can receive emails from others
* Users can group mails in separate folders (tags)
* Users can delete their emails
* Users can block one or more senders to not receive email from them in future
* Recipients who are mostly contacted should be found in contacts
* Users can find recipients with previous contact by writing the first character of their email address (autocomplete)

Entities:

* User
  + Name
  + Username
  + Password
  + Date joined
* Email
  + Sender
  + Receiver(s)
  + Date created
  + Status (draft/sent/…)

Duty:

Design an application from UI to DB that meets the requirements with having in mind that requirements may be added in future.

Note:

* You can add properties to entities to have a better design.
* You must include all properties that are mentioned
* You can design your database with your desire.

Enjoy!