

User Interface Wireframes

Login Screen

Welcome to Pangaea

Sign Up

email

password

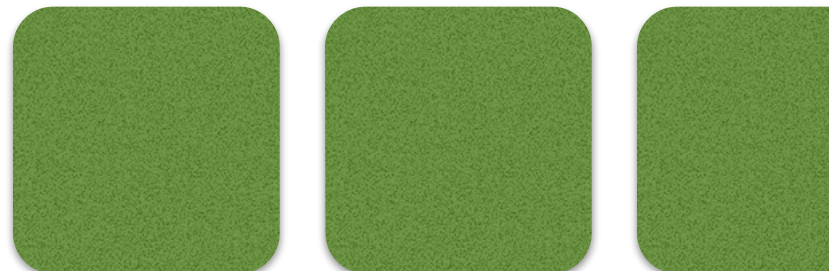
submit

Login

email

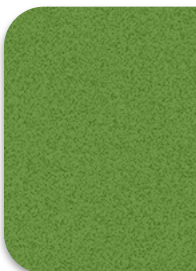
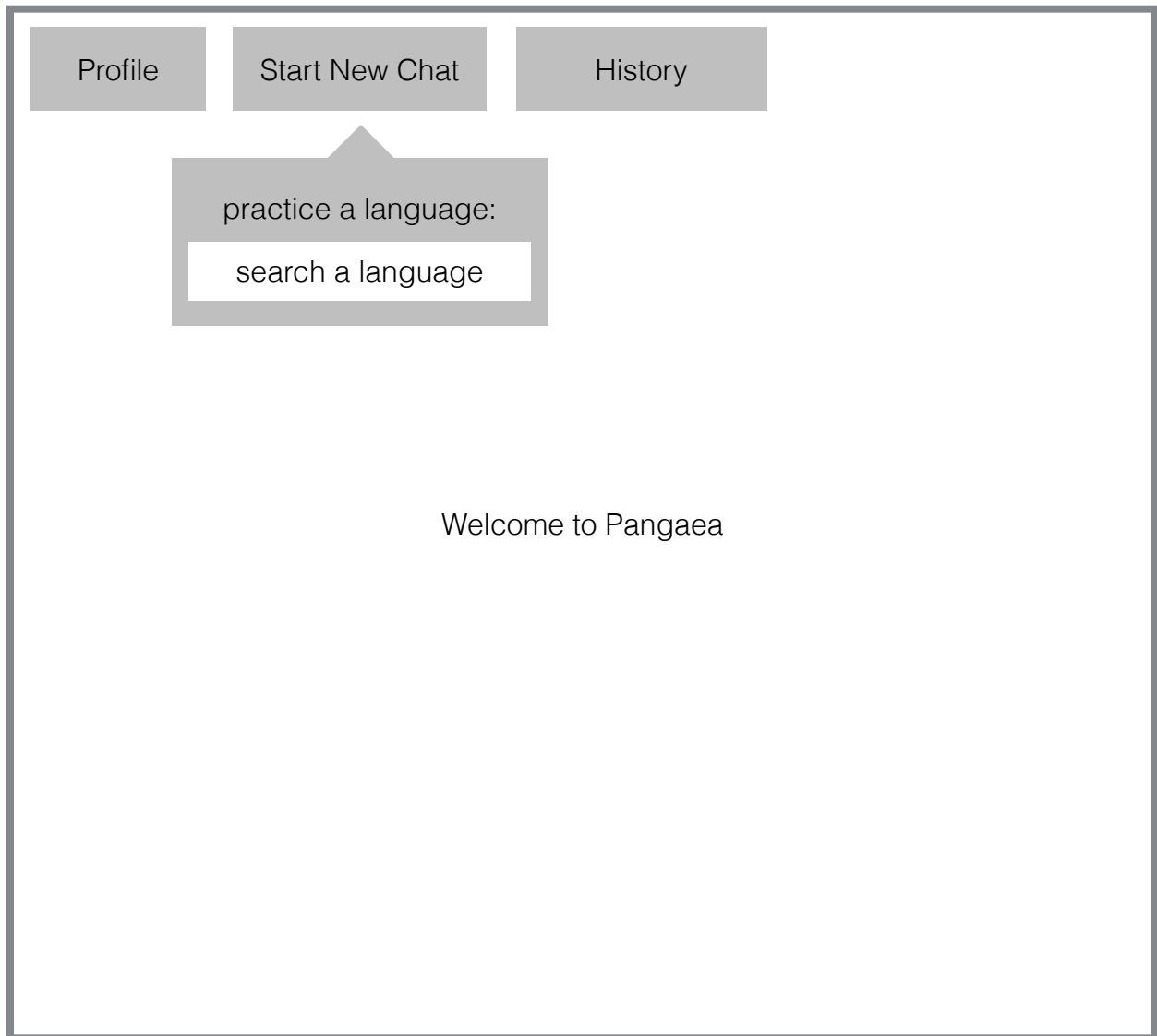
password

submit



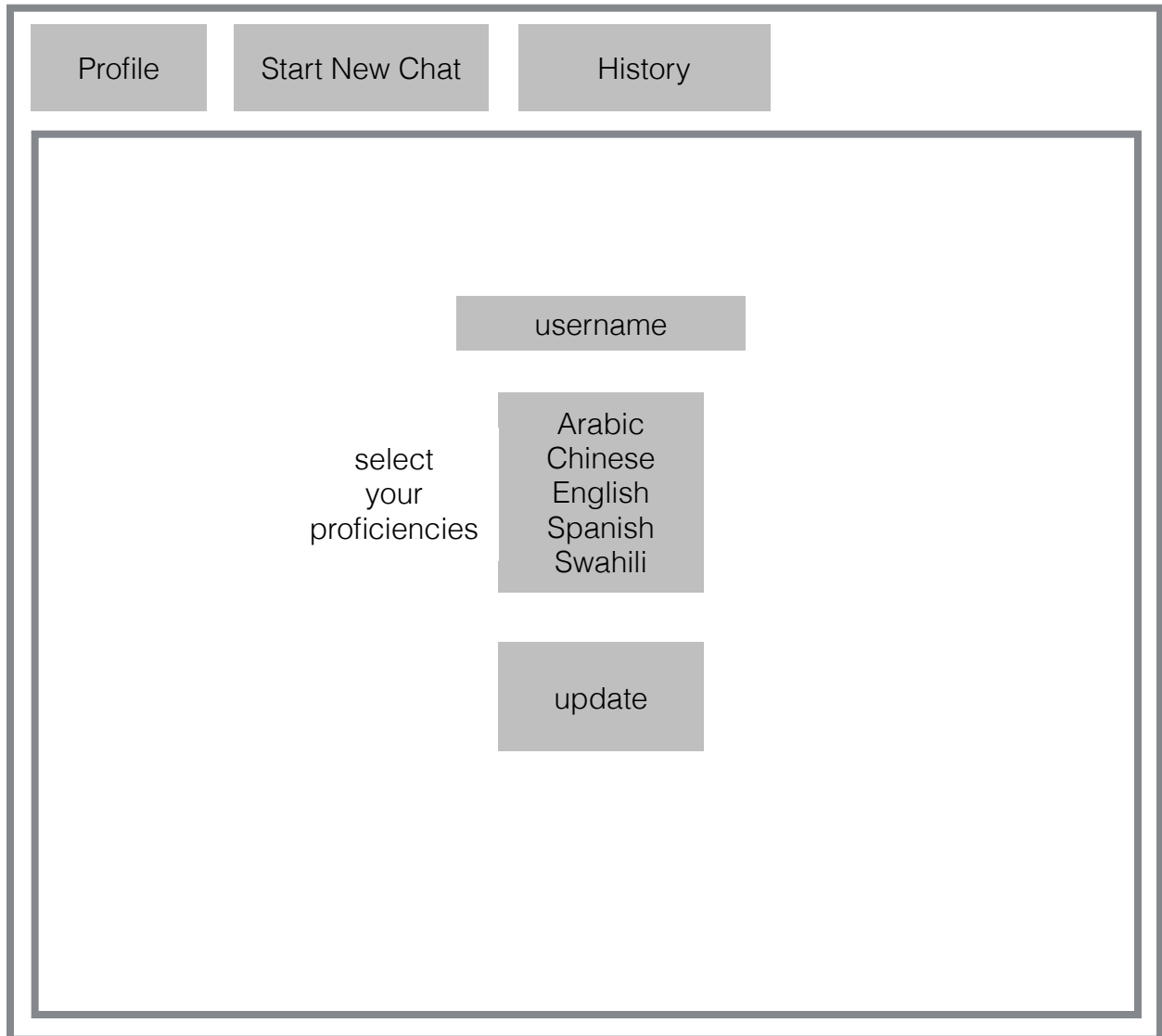
User Interface Wireframes (cont'd)

Welcome Screen



User Interface Wireframes (cont'd)

Profile Screen



The wireframe shows a mobile application screen for a profile. At the top, there is a header bar with three buttons: 'Profile', 'Start New Chat', and 'History'. Below the header is a large white area containing a form. The form has a 'username' input field, a 'select your proficiencies' label next to a list of languages (Arabic, Chinese, English, Spanish, Swahili), and an 'update' button.

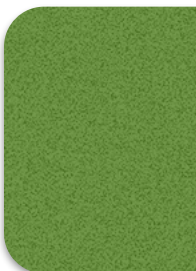
Profile Start New Chat History

username

select
your
proficiencies

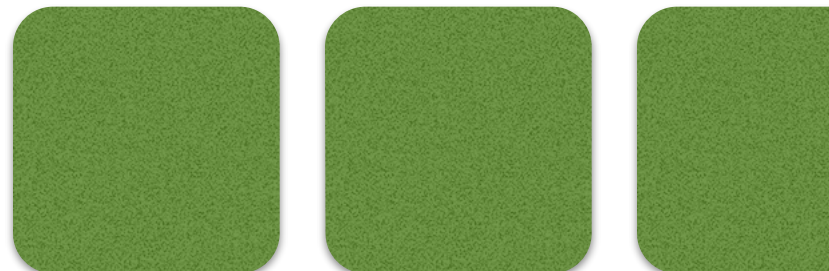
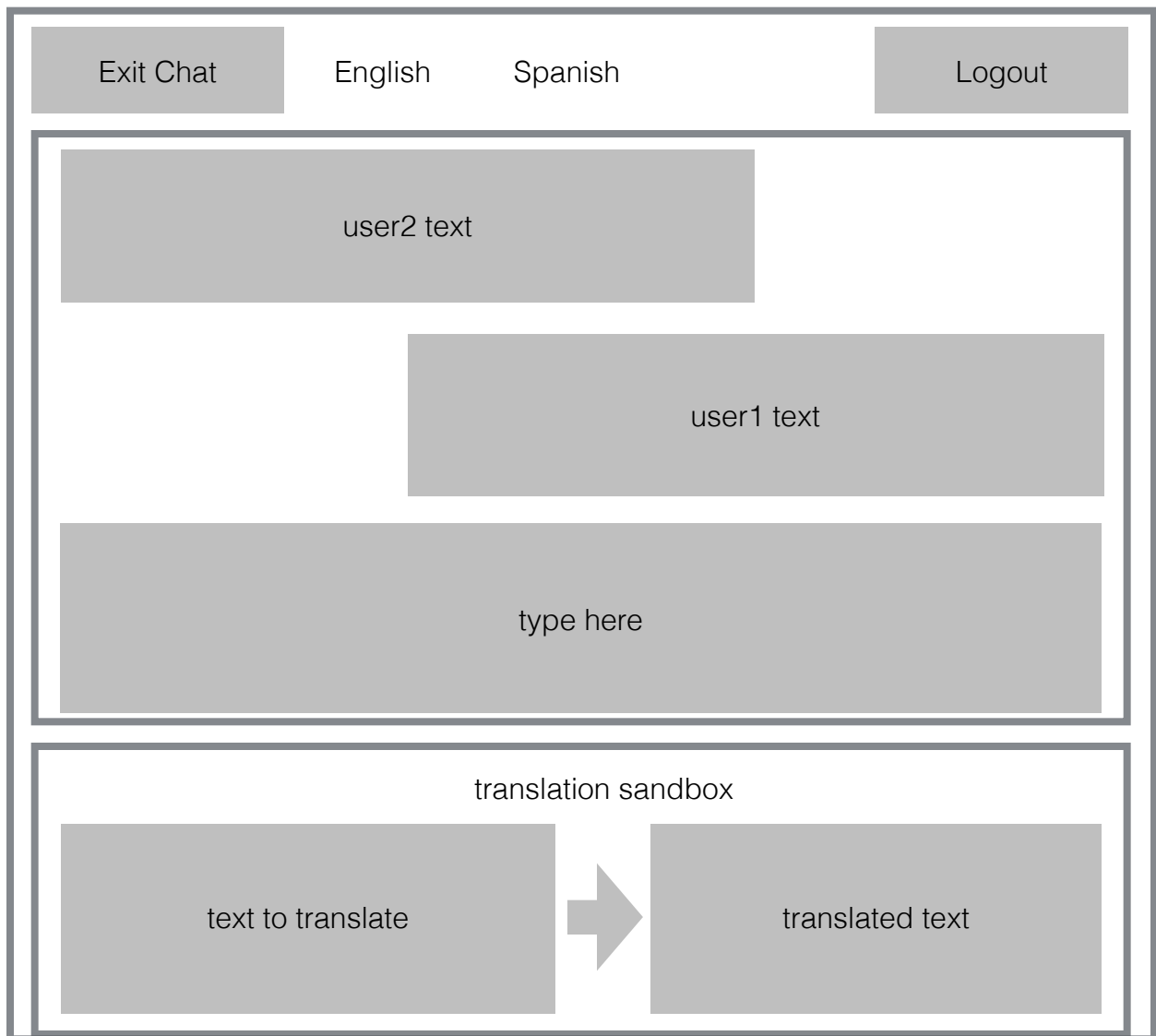
Arabic
Chinese
English
Spanish
Swahili

update



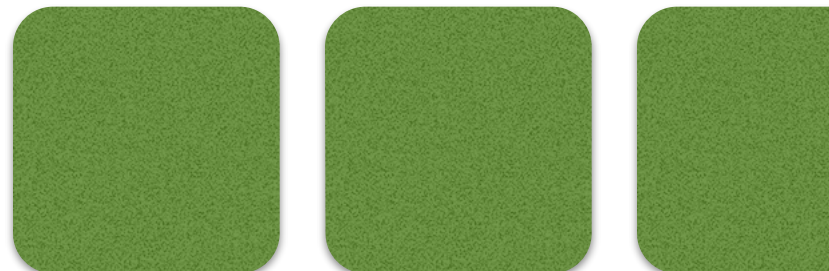
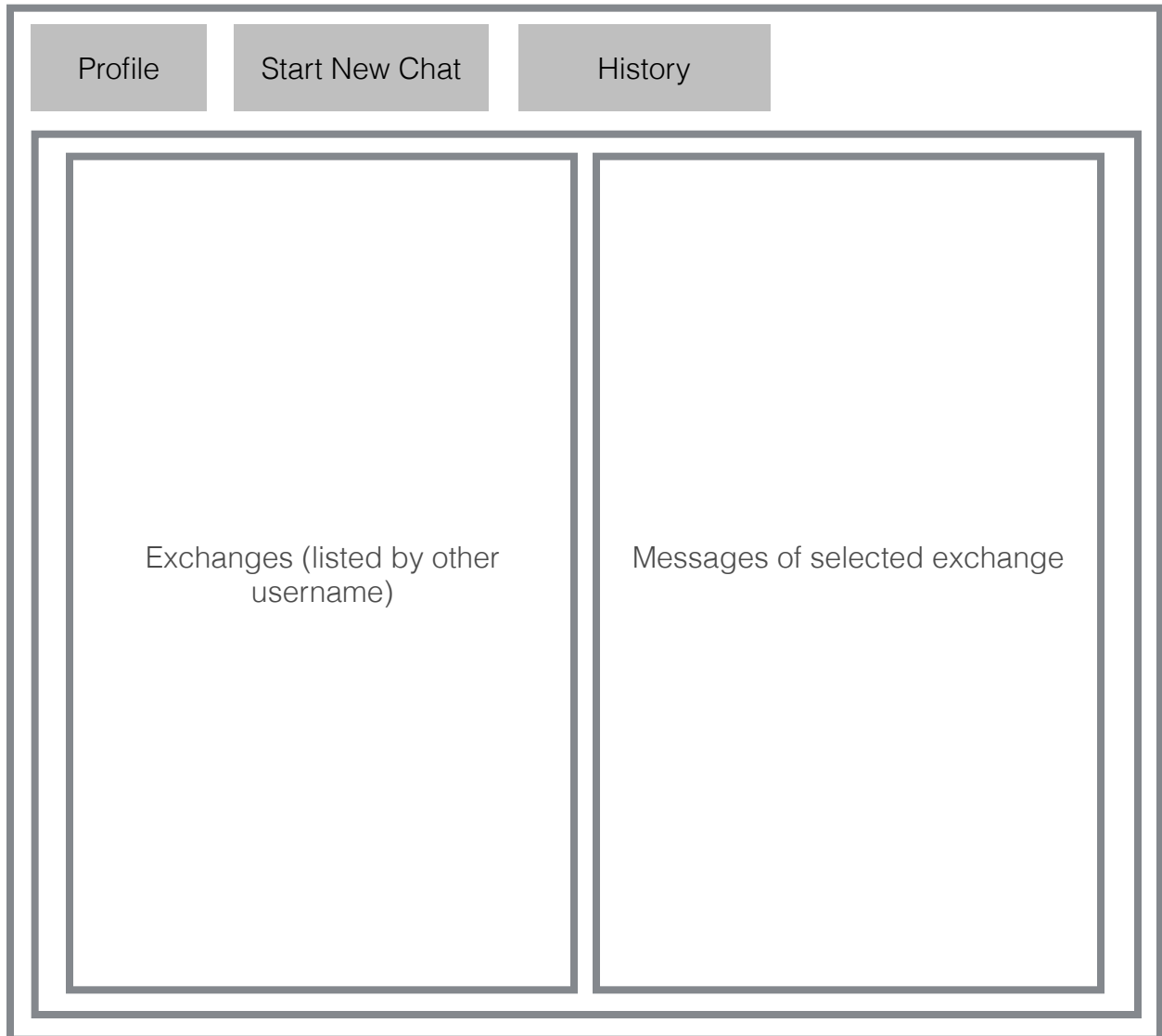
User Interface Wireframes (cont'd)

Chat Screen

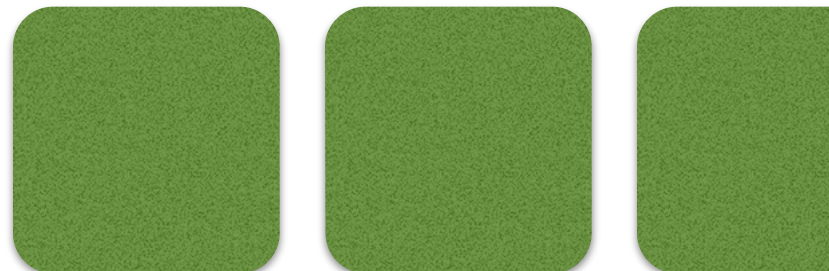
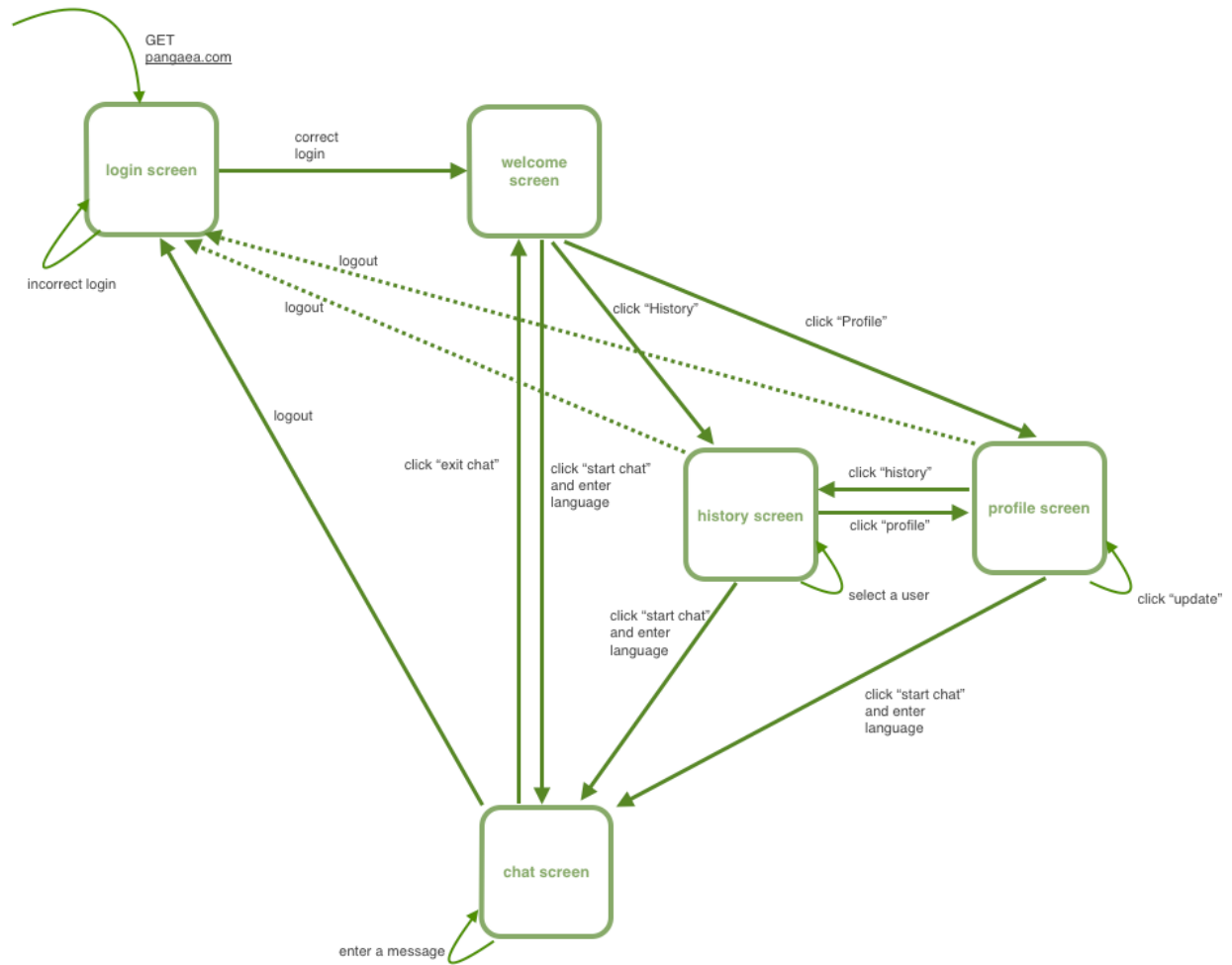


User Interface Wireframes (cont'd)

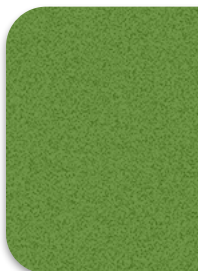
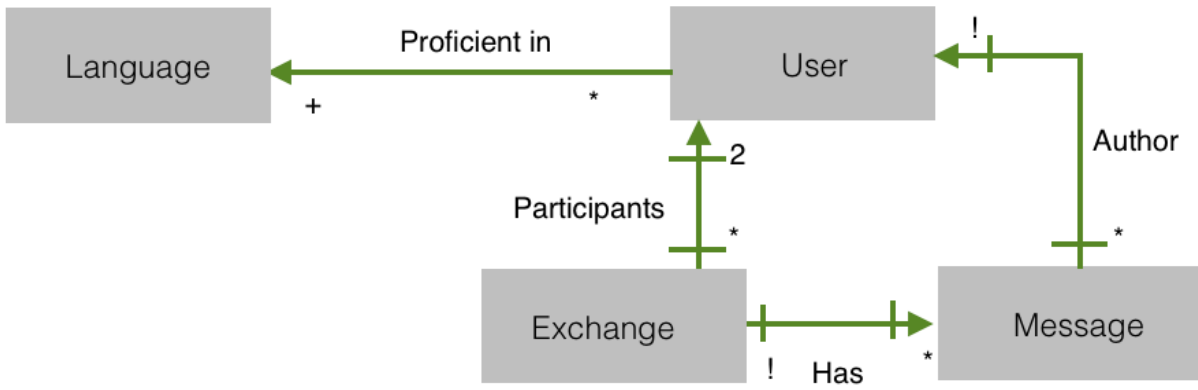
History Screen



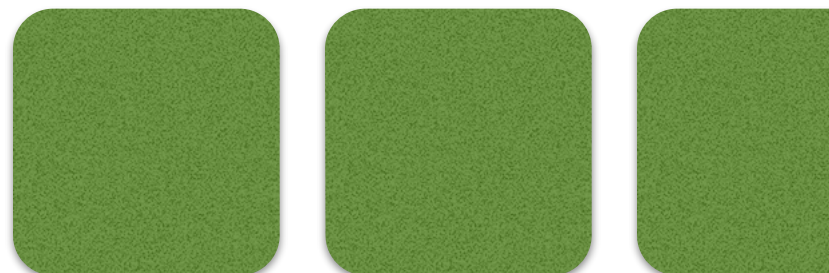
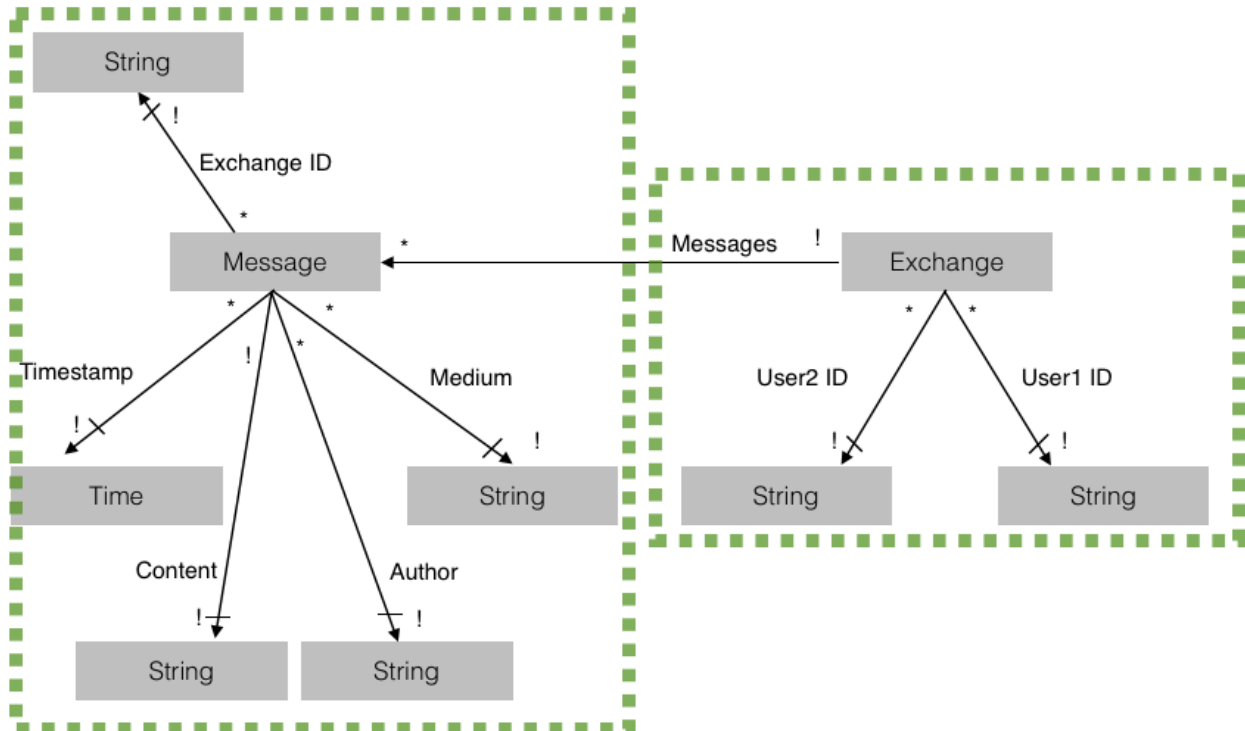
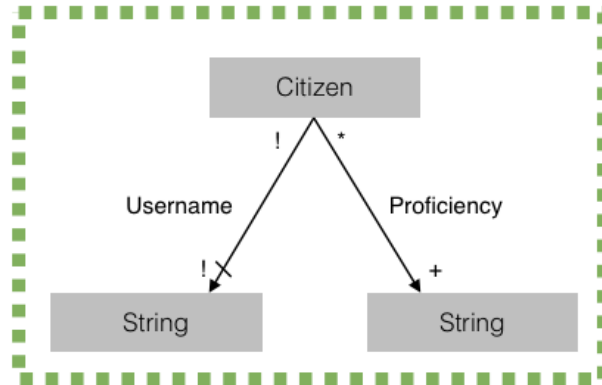
Flow Wireframe



Data Model



Data Design



Data Design Example

Citizen

```
{
  Username: "Joe",
  Proficiency: ["Spanish","English"]
}
```

Exchange

```
{
  User1ID: "123",
  User2ID: "456"
  Messages:[
    {
      Medium: "Text",
      Author: "Bob",
      Content: "Hola!",
      Timestamp: "1416369281003",
      ExchangeID: "507f1f77bcf86cd799439011"
    },
    {
      Medium: "Text",
      Author: "Joe",
      Content: "Muy bien",
      Timestamp: "1416369281004",
      ExchangeID: "507f1f77bcf86cd799439011"
    }
  ]
}
```

