

## First Sprint Backlog (Owner: Ning Wang)

### Planning to finish in sprint 1:

1. Change web project structure from one application to multiple applications  
Change one basic app to four apps based on different functions: account app, home app, discussion app, store app and test page app. (Cost time: 5 hours)
2. Finish building html pages for login, registration, home page, test and learn page, discussion board and store.(Cost time: 9 hours)
3. Upgrade html pages using django template inheritance feature.(Cost time: 2 hours)
4. Finish url dispatchers for chingoal project and account application. (Cost time: 2 hours)
5. Change hard code links to reverse urls. (Cost time: 2 hours)
6. Finish building models (Cost time: 3 hours)  
Build models in account app  
Build models in discussion app  
Build models in test page app
7. Finish Forms (Cost time: 3 hours)  
Implemented Django Form form for registration, edit profile, edit schedule, reset password.  
Implemented Django Model form for message, word translation test, multiple choice, test, learn, post, reply.
8. HTML mockups (Cost time: 5 hours)  
Add edit\_profile page  
Add view\_profile page  
refine original html layout  
add video into html
9. CSS Refine (Cost time: 9 hours)  
Create new html layout  
Learn less, and compile custom css  
Add dynamic features with javascript
10. Run server (Cost time: 2 hours)
11. Finish authorization (Cost time: 4 hours)  
finish login, logout, register and forgot password function  
finish confirm registration through sending emails
12. Finish account management (Cost time: 4 hours)  
finish building forms.py in account application  
finish view and edit teacher and learner profiles  
finish upload photos to teacher and learner profile
13. Finish views.py to show up all current user's information and lessons' links (Cost time: 2 hours)
14. Finish urls dispatcher for home application (Cost time: 2 hours)
15. Collecting learning material (Cost time: 2 hours)
16. Finish functions of posting learning materials and testing questions (Cost time: 12 hours):Finish test\_post(), test\_edit\_question(), test\_delete\_question(), test\_add\_question(), test\_save\_question(), get\_test()
17. Finish discussion board in discussion application (Cost time: 4 hours)  
post discuss question

- reply posting question
- delete posted question
- 18. Finish store application (Cost time: 4 hours)
  - buy title function
  - unlock learning function
  - earn money function
- 19. Connect database (Cost time: 2 hours)

#### Evaluation:

Most features we list in first sprint have been completed. Each member's task is also done on schedule. Ideally, we plan to finish all basic function in specification before the last sprint and then focus on HTML5 audio API and realization functions of upload, storage, and download on rich media types in third sprint.

#### Unforeseen problems:

It is inconvenient for a four-person team to modify a same file at the same time, so we change our web project structure from original one application to multiple applications. Since we never try to build more than one application before, we did a lot of research to figure out how to split one big app to different smaller sub-app.

In addition, to beautify and customize our user interface, we add a small video as our login/register page's background, which is also a new scope we never try before. We also add dynamic pictures in the user interface which are implemented by the javascript.

#### Second Sprint Backlog (Owner: Mingda Zhang)

##### Plan to complete:

1. Finish building database
2. Finish testing and learning functions
3. Finish transaction functions in store application
4. Finish message system in discussion application