

## **Sprint Evaluation**

In this sprint we designed and implemented our applications login and registration pages. User can login via Facebook or Gmail account. We also get the user credentials from these social platforms.

Web crawling part is almost done. We can get the book name, author name and category name from a D&R web page. More improved versions might be developed in time.

We decided to set up our project on Google App Engine. We are given "quoteshot.appspot.com" where we can deploy our backend and the users with their Android applications can connect to this host to connect to the database or just retrieve other data.

The uml diagrams such as use case diagram, class diagram and ER diagram of the application are created.

We have developed an application that gives the user address by taking latitude and longitude values.

The following figures are summarizes our sprint evaluation, the screenshots are taken from our application and developments.

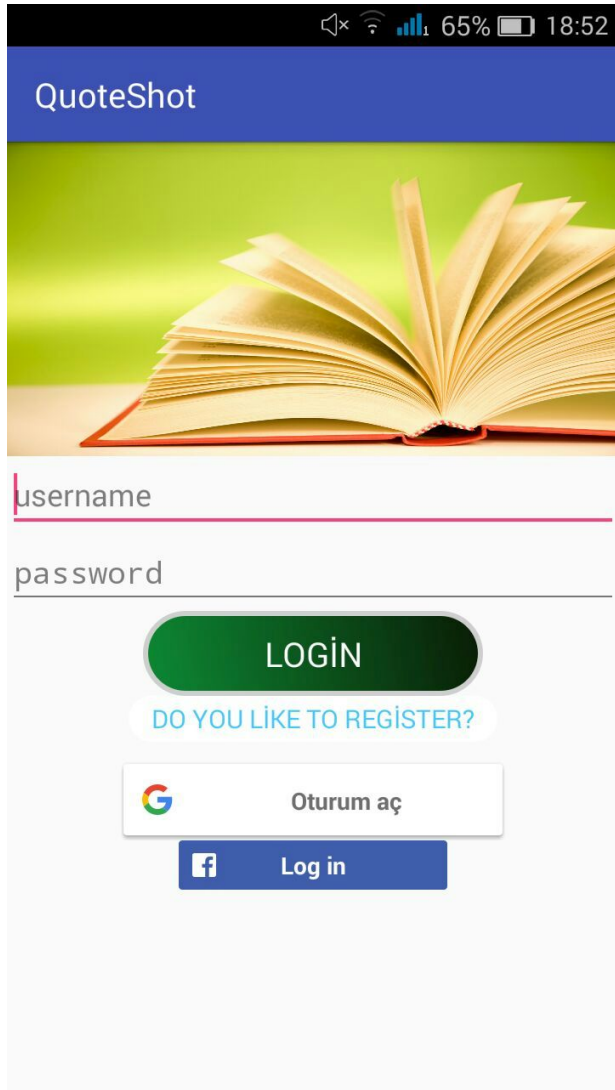


Figure 1 :Login Page

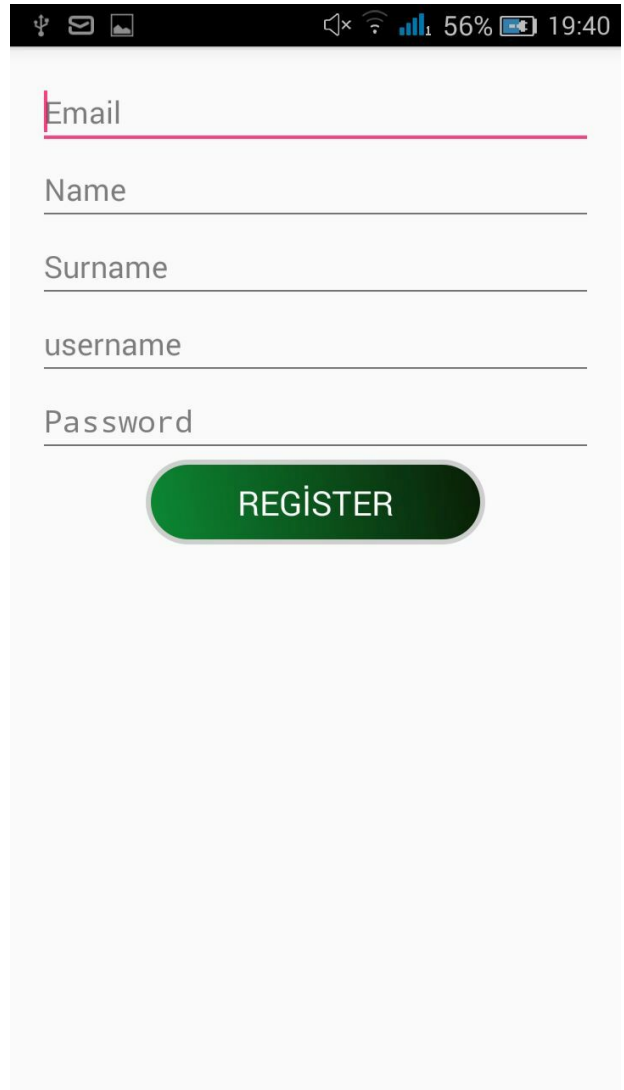


Figure 2: Registration Page

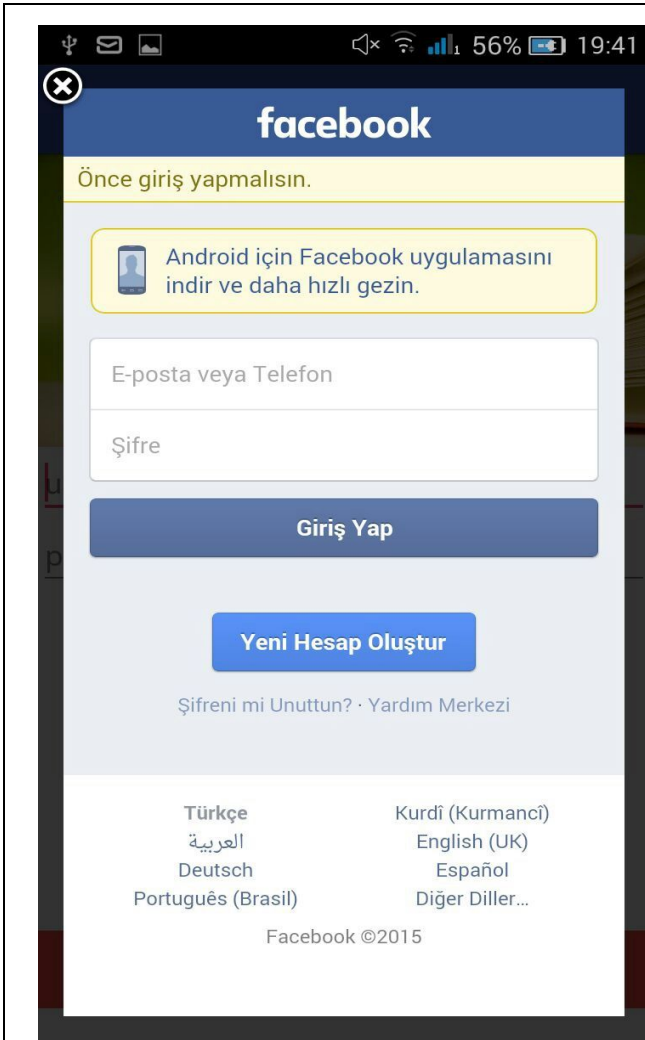


Figure 3: Login via Facebook Page

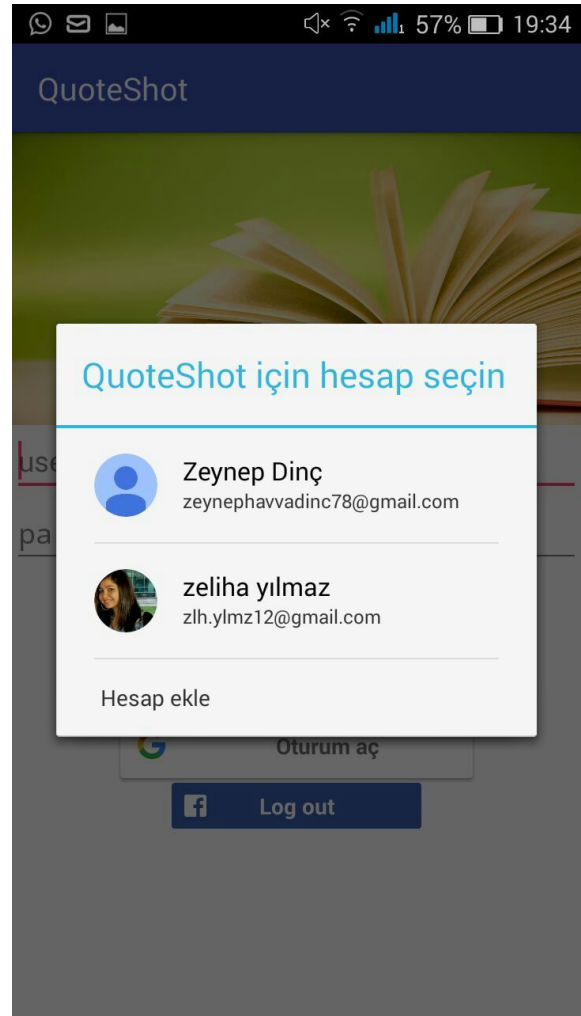


Figure 4: Login via Gmail Account Page

```
<terminated> Controller [Java Application] C:\Program Files (x
Kafes
Fısıltı - Hush Hush Serisi 1. Kitap
Sessizlik - Hush Hush Serisi 3. Kitap
Çılgılık - Hush Hush Serisi 2. Kitap
Final - Hush Hush Serisi 4. kitap
Yeraltı
Diriliş
Siyah Buz
Üç
Karabakal
Tess'in Gözyaşları
Psikiyatrist
Cerrah
Yörünge
Ölü Ruhlar Ormanı
Kim Bulduysa Onundur
Korkuluklar
Uyku Kaçıran
Dört
Bıçak Sırtı
Şizofren
Bana Söz Ver
Kafes - İmzalı
Cinayet Terapisi
Hayvan Mezarlığı - Gecenin Pençesi
Şizofren
Bay Mercedes
Halüsinasyon
Mahşer- Sansürsüz Tam Metin
Göz
Daire 16
Psiko-Analist
Alacakaranlık - Alacakaranlık serisi 1.Kitap
Günahkar (Özel Baskı)
Bıçak Sırtı (Özel Baskı)
Yörünge
Silahşör - Kara Kule Serisi 1.Kitap
```

Figure 5 : Web Crawling

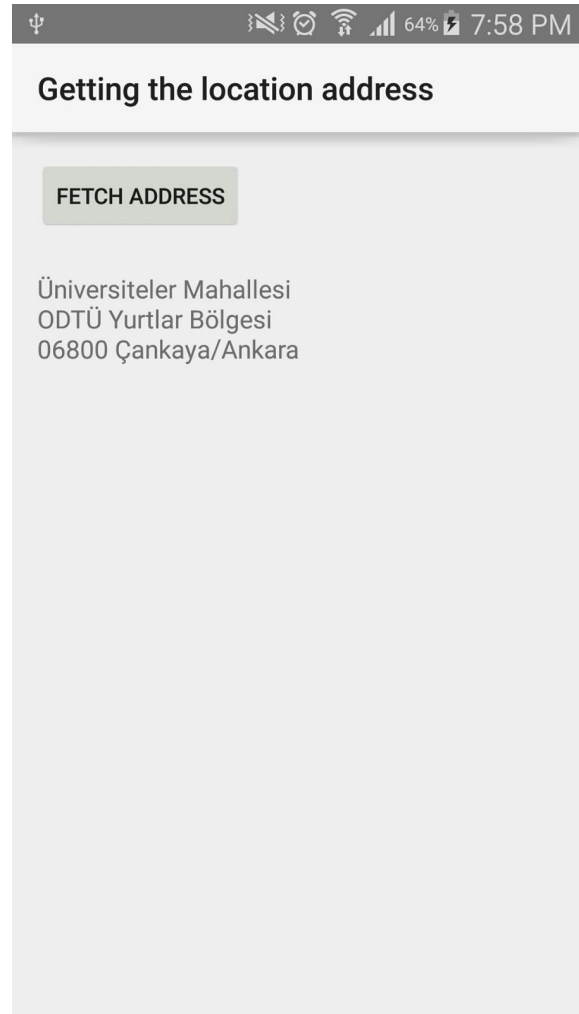


Figure 6 : Getting the Location Address

## Team evaluation

We had meetings every weekend and spent a day together for the project. OCR and exchange book part are partially completed. We will combine these parts. Also, web crawling part was finished except that little improvements of course might be added. However, we could not begin NLP, database and security part. We drew ER diagram but we have faced some troubles about connection of between database and google web engine. About the NLP part we started to read NLP tutorials but we could not have met Ayşenur Öztürk so we could not start the NLP part.

Task	Assigned Member	1 <sup>st</sup> week	2 <sup>nd</sup> week	3 <sup>rd</sup> week
Characters from images to be converted into text form.	Burak Aydemir, Zeynep Havva Dinç	*	*	
Using GPS technology, implementing a book exchange service among users in a specified maximum distance.	Zeliha Yılmaz, Mertcan Boz	*	*	
Database & Security	All members		*	*
Web Crawling	Mertcan Boz			*
NLP	All members			
Login and Registration Page design and implementation	Zeliha Yılmaz, Zeynep Havva Dinç			*

### Backlog Updates

In this sprint, we achieved multi-level log in system and register mechanisms. Also, a user can log in to our system with his/her account via popular social media platforms, such as Facebook and Google+. Moreover, we made some GUI trials which are limited. By using Google Map API, we can find exact addresses of the users. We will use it for exchanging books. On the other hand, we optimized our database tables, yet there is some work need to be done. It will be completed as soon as possible. Furthermore, we managed to web crawl D&R website. We are working on stabilizing database to push related data to our database.

In this sprint we can't manage to improve OCR, because we need to accelerate developing other areas of the project. Still, we have working OCR app in our hand. We can't store our users images right now. We applied some image processing manipulations on the images such as crop. We did blur and crop and combined them. But it doesn't work the way we want.

In this sprint we could not manage to start NLP part of the our application. However, we did preliminary research as Ayşenur Birtürk suggested. We are still doing research about NLP.