#### Proposal Solution

E-Book Servce

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## Overview

Create a platform which enables thousands of students to buy and sell used textbooks directly from and to fellow students. As well as comparing the prices of used books with the below mentioned web shops of Swiss bookstores and referring to them.

# Functional requirements

### Buy and sell textbooks

* Search books by Title, Author ISBN, Word
* Search books via ISBN scanner
* Sell used books (rate the condition)
* Buy books : either buy a used book on the platform or be referred to a external bookstore
* Upload User comments (later phase)
* Rate buyer and seller (comment )
* Change pictures of students on homepage
* About us
* Schools university, major, full-time or part-time , semester , books (then click on the book and search on the platform)

### User admin

* Sign (via facebook, linkedin, xing, normal register (username,password,phone,email,photo))
* Log-in
* Create user profile
* View and edit user profile
* My basket (two sides )
* History (of selling/bought books and money saved )
* Wish list (put ISBN and receive notification if this book has been uploaded) user will choose
* My rating (all rating that some made to you)
* Book registration (all book,)
* NotificationsNotify user for interested on his books
* Notify users for available books
* Notify users by e-mail or SMS

### Price Comparing

* Compare prices with providers
* *Dodax.ch*
* *Exlibris.ch*
* *Amazon*
* *Orellfuessli.ch*
* Refer by onclick to the online stores

### Barcode-scanner

* Find book using barcode scanner of smartphones
* Fill book details automatically

### Data tracking / Statistics

* How many books are uploaded onto this platform
* How many students are on our platform
* How many students are from which university
* How much money has been saved through our platform
* Which books are most wanted on our platform
* Count of pages in a book (green peace)

### Admin page

* ~~Administrator (my partner and I) should be able to easily modify certain things on the platform (e.g. certain texts, pictures, listing or delisting of books in our data base, promos, etc.)~~

### Non Functional Requirements

* Design a modern with a clear structure and extremely user-friendly
* Responsive design (to fit the view in every device: Desktop, Laptop, Tablet and Smartphones)

# Used Technologies

* Most of technologies are Microsoft based.
* For back-end to I prefer to use  [ASP.NET](http://asp.net/) Web API which is RESTFull API.
* About Front-end we prefer Angular 2.
* Database will be Microsoft Sql Server.

## Pricelist

| Activities | Price in Euro |
| --- | --- |
| Buy and sell books online | 4500 |
| Total | 4500 € |
| Satisfied with product | 500€ |

The project price is 6600 euro.

The first release of project will be ready after 3 months

Two Senior Developers needed as resources to finish this project. One of them with back-end experience and another with front-end.

Location of building the project with be in Pristina.

## Close

### Acceptance and Payment terms

| Releases | Presentation | Date | Payment |
| --- | --- | --- | --- |
| First Demo | Prototype | 10 April 2017 | 500 € |
| Second Presentation | Main functionalities | 01 June 2017 | 50% of total |
| Third presentation | All functionalities | 30 June 2017 | 410% of total |
| Final release | Finished | 15 July 2017 | 10% of total |

Support period for bug fixing will be 3 months after finished.

## Project Setup

### The Project will be setup on an agile basis as the product owners need to be involved on a very frequent basis.

### Weekly Meetings are requested and demos after each sprint required. A sprint should take 2-4 weeks. A communication platform as Jira/Trello.. should be set up for the project.