

# User Manual

## Rentatex



**RENTATEX**  
BOOK STORE

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# 1.0 General Information

The General Information section will provide a general overview of what RentaTex does

## 1.1 App Overview

Rentatex is an application that enables the rental of textbooks by being a decentralized platform which allows peer to peer interactions, transparency, and cost-effectiveness.

## 1.2 Audience

Rentatex is for students who wants to rent a textbook.

## 1.3 Overview

The rest of this document will be sectioned into 3 main sections

1. General Information
2. Getting Started
3. Using the application
4. Disclaimer

**General Information** section explains the Rentatex application in general terms, the manual overview, and the different sections

**Getting Started** section will walk you through how to download and use our site

**Using the application** section provides detailed information of the functionality of the application

## 2.0 Getting Started

This section will walk you through on how to use application

### 2.1 Accessing the application

To get the current version of Rentatex, just git clone  
<https://github.com/yurbudsam/RENTATEX1.git>

### 2.2 How to activate

#### Prerequisites

- Make sure you
  - Have Node
  - Have git
  - npm install -g truffle
  - Install [Ganache](#)

#### Using the site

1. In a terminal window in the right directory, type “truffle compile”
  - a. The image below shows a successful compilation example

```
Compiling your contracts...
=====
> Compiling ./contracts/Migrations.sol
> Artifacts written to /Users/Editing/SchoolThings/CS480/RENTATEX1/build/contracts
> Compiled successfully using:
   - solc: 0.5.16+commit.9c3226ce.Emscripten.clang
```

2. Open Ganache and then type “truffle migrate”
  - a. Go to Ganache and see if you got any blocks. It should go from 0 to 4

- b. The image below shows a successful migration example

```
Compiling your contracts...
=====
> Compiling ./contracts/Migrations.sol
> Compiling ./contracts/Rental.sol
> Artifacts written to /Users/Editing/SchoolThings/CS480/RENTATEX1/build/contracts
> Compiled successfully using:
  - solc: 0.5.16+commit.9c3226ce.Emscripten.clang

Starting migrations...
=====
> Network name:      'development'
> Network id:        5777
> Block gas limit: 6721975 (0x6691b7)

1_initial_migration.js
=====

Replacing 'Migrations'
-----
> transaction hash: 0xf9ce05b4862fecbc56d363394c09dc1cbee90730d222cfff1f958e80f28fca9b9
> Blocks: 0        Seconds: 0
> contract address: 0x3e704A23458AD307F3aDC7E8bD03204587b7331E
> block number:     14
> block timestamp:  1714610339
> account:          0xff34CE69055307A19e18130f133e2Fa9D61B6B58
> balance:          99.9951394752981243
> gas used:         193243 (0x2f2db)
> gas price:        2.664032626 gwei
> value sent:       0 ETH
> total cost:       0.000514805656746118 ETH

> Saving migration to chain.
> Saving artifacts
-----
> Total cost:       0.000514805656746118 ETH

2_deploy_contracts.js
=====

Replacing 'Rental'
-----
> transaction hash: 0xbccc31714117cdf38d8f440c8d1bad7d7d56188f8c02f5676ed194e57cb09281
> Blocks: 0        Seconds: 0
> contract address: 0xeCb9C395694e633a5b31759Be739536124ac4f04
> block number:     16
> block timestamp:  1714610340
> account:          0xff34CE69055307A19e18130f133e2Fa9D61B6B58
> balance:          99.994483148665561413
> gas used:         203803 (0x31c1b)
> gas price:        2.626865175 gwei
> value sent:       0 ETH
> total cost:       0.000535363003260525 ETH

> Saving migration to chain.
> Saving artifacts
-----
> Total cost:       0.000535363003260525 ETH

Summary
=====
> Total deployments: 2
> Final cost:       0.00105016866006643 ETH
```

3. Back in terminal, run “truffle test” to make sure that it works
- a. The image below shows a successful test example

```

Compiling your contracts...
=====
> Compiling ./test/TestRental.sol
> Artifacts written to /var/folders/3h/yx85gsw1kx0wbl204by9700000gp/T/test---6355-T7N3PFI3Z6go
> Compiled successfully using:
  - solc: 0.5.16+commit.9c3226ce.Emscripten.clang

TestRental
  ✓ testUserCanRentBook (70ms)
  ✓ testGetRenterAddressByBookId (45ms)
  ✓ testGetRenterAddressByBookIdInArray (61ms)

Contract: Rental
  renting a book and retrieving account addresses
  ✓ can fetch the address of an owner by book id
  ✓ can fetch the collection of all book owners' addresses

5 passing (5s)

```

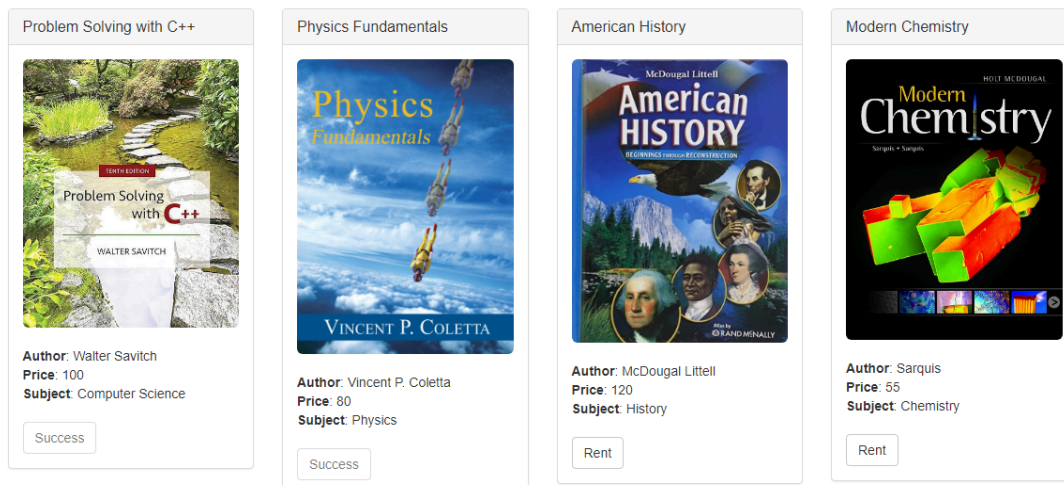
#### 4. Configure MetaMask

## 3.0 Using the website

### 3.1 Main Page

When you first go on the website, you are presented with the main page:

#### RENTATEX



- In the main page, there are different textbooks that you are able to rent
- To rent a textbook, just click on the rent button.
  - It is successful when it changes to success and you get a notification on your MetaMask

## 4.0 Disclaimer

There are some things that are a work in progress

- You can not see more information about each textbook
- There is no time limit to each rent
- No search
- No contact information
- Only 1 of each textbook