

# CrowdBC

**The next generation decentralized  
crowdsourcing system**

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# User Guidebook for Blockchain-based Decentralized Crowdsourcing System

In this guide, we mainly present the UI functionality. Because we implement CrowdBC on a private test network, so other users can't access the Smart Contract on the public Ethereum, and our system have not been officially released currently. But we have the plan that we will release CrowdBC version1.0 in 2017.10, so if you have any question, you could contact me with email firstly. We introduce the main function in our system as follows:

CrowdBC 任务 账户 系统

注册 登录



## CorwdBC

The next generation decentralized crowdsourcing system

— We design a decentralized crowdsourcing framework and show that our framework also increases user security and service availability (there is no single point of failure), and enhancing the scalability of crowdsourcing with programmable smart contract.

We conceptualize a blockchain-based decentralized framework (CrowdBC) for crowdsourcing. CrowdBC does not depend on any central third party to accomplish crowdsourcing process. There is no single point of failure and significantly decreasing the cost by removing the costly service fees from traditional crowdsourcing platform.

We enhance scalability of crowdsourcing by smart contract to depict complex logic. We perform the whole process of crowdsourcing task based on smart contract and provide three standard contract in CrowdBC: User Register Contract (URC), User Summary Contract (USC), Requester-Worker Relationship Contract (RWRC).

We provide reputation management in CrowdBC. CrowdBC assigns each worker with a reputation which is gained based on their past behavior on CrowdBC.



## The Features



### Decentralized

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### Smart Contract

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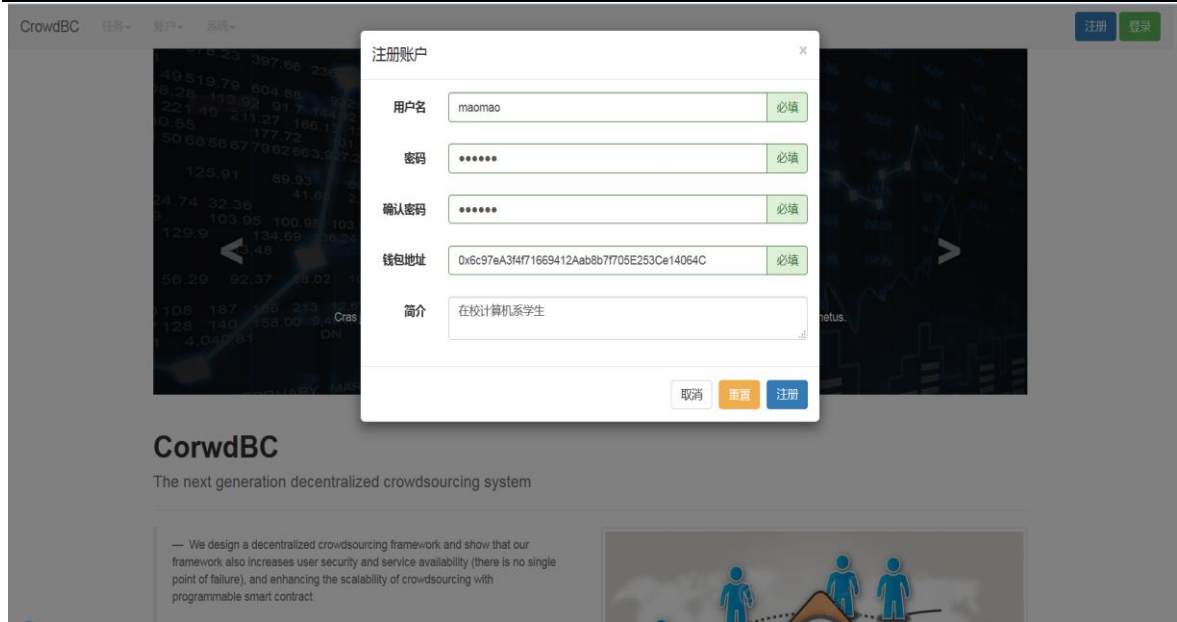


### ReputationManagement

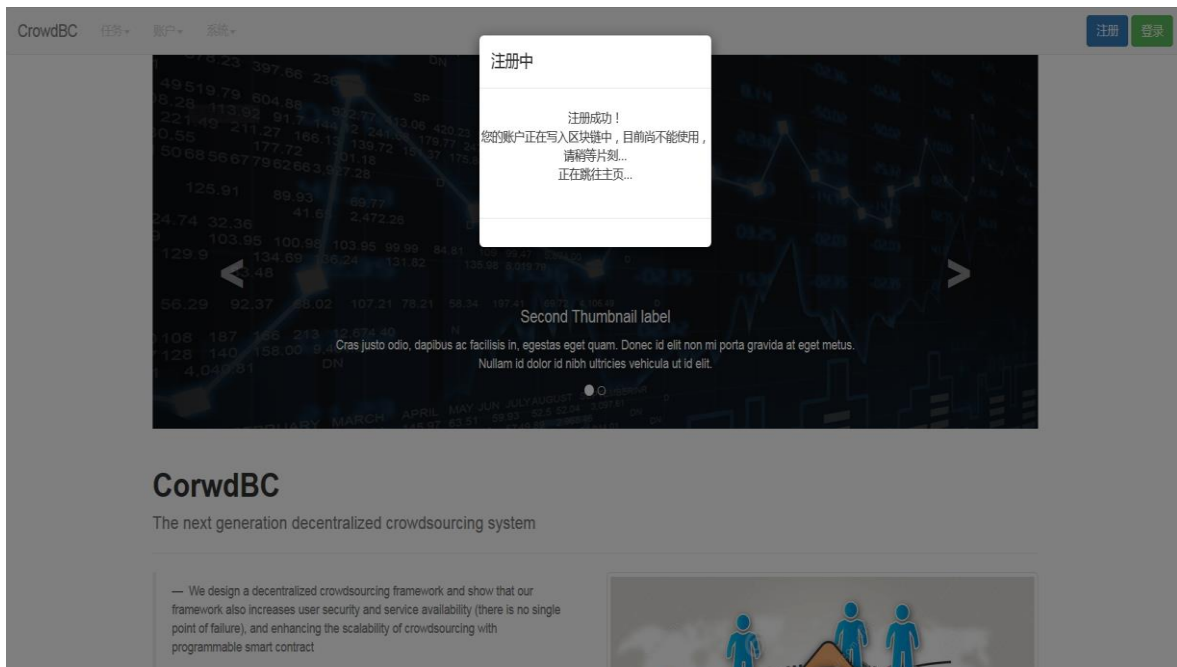
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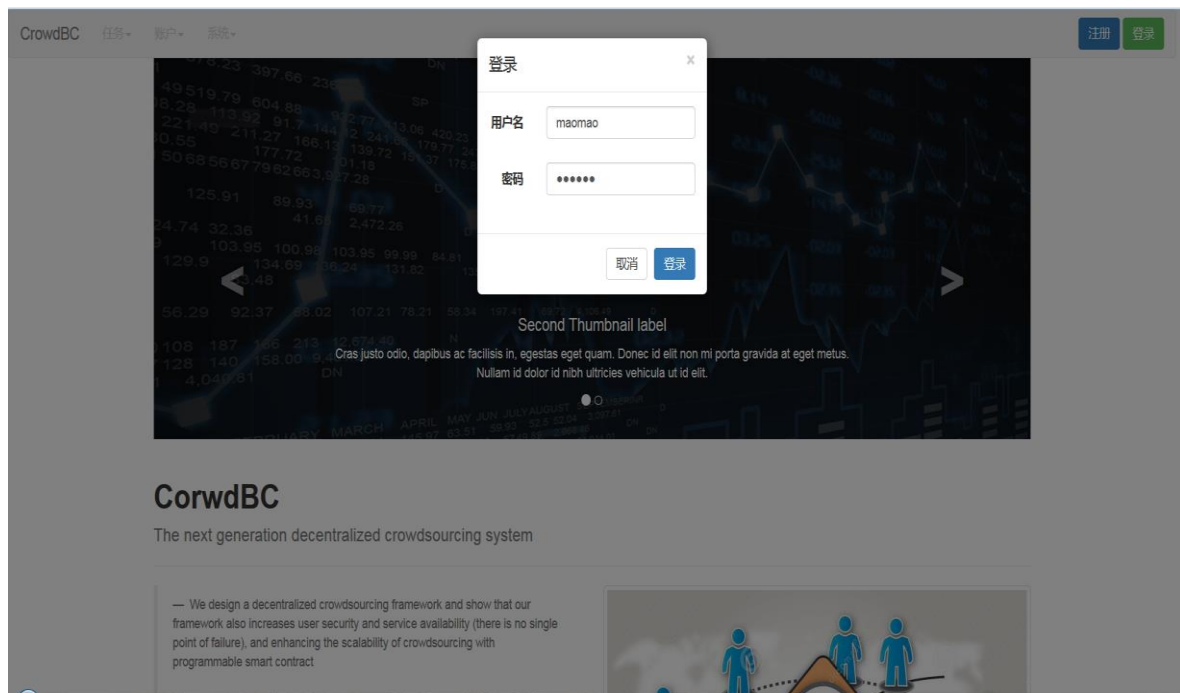
## 1. The Home Page



## 2. The User Registration



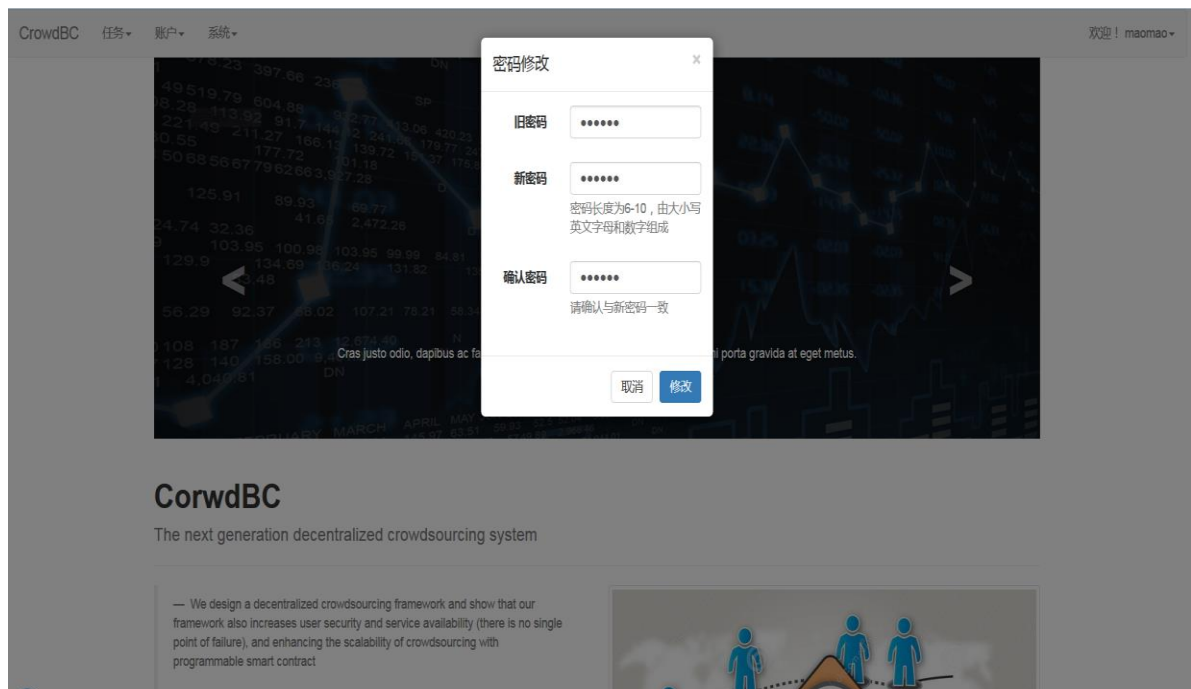
## 3. Registration successful and jumping



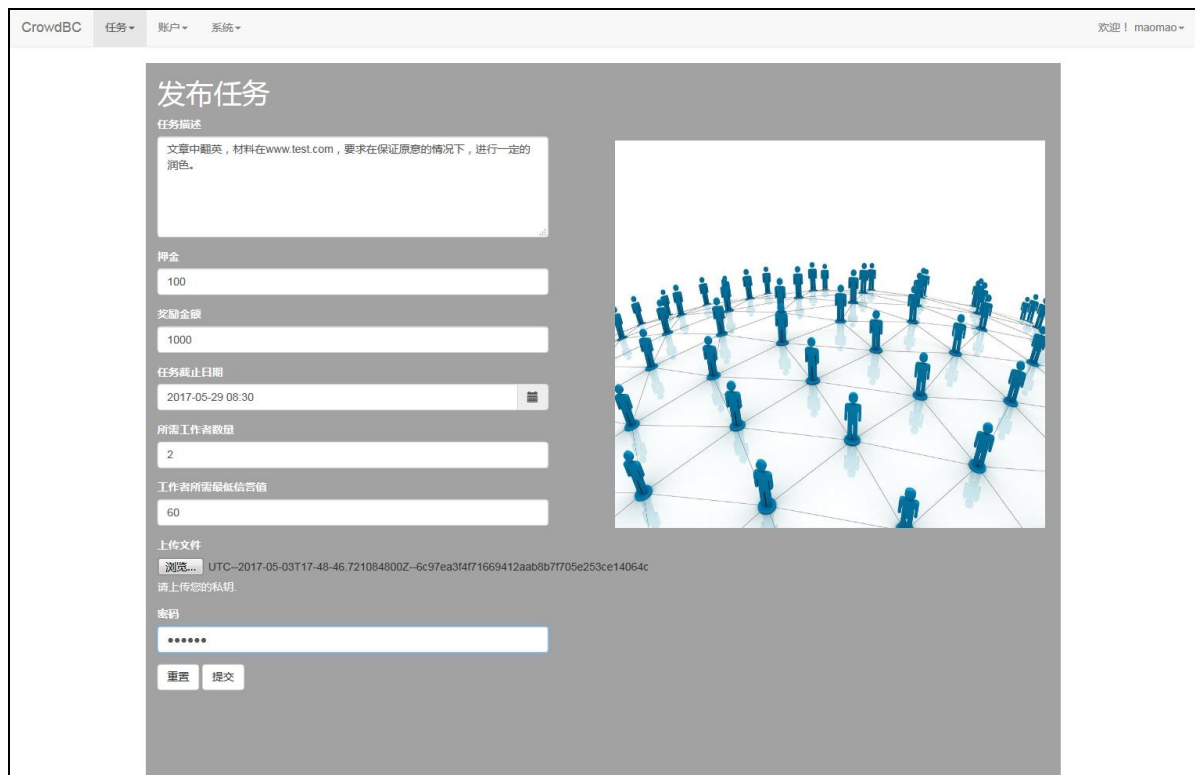
#### 4. Login



#### 5. Query the Account Information



## 6. Modify the Password



## 7. Post Task

CrowdBC 任务 账户 系统 欢迎! testtest

所有任务  搜索 下拉

截止日期	押金	描述	最大工作者数量	最低信用限制	当前工作者数量	奖励金额	任务地址	任务状态	操作
2017/05/29 08:30	100	<a href="#">详情</a>	2	60	0	1000	0x6f9c7509a39055c02f0270d05d9336094533628	未领取完	<a href="#">接收</a>

前一页 1 2 3 4 5 后一页

点击接收按钮

## 8. Receive Task

CrowdBC 任务 账户 系统 欢迎! maomao

发布的任务 [接收的任务](#)  搜索 下拉

截止日期	押金	描述	最大工作者数量	最低信用限制	当前工作者数量	奖励金额	任务地址	任务状态	操作
2017/05/29 08:30	100	<a href="#">详情</a>	2	60	1	1000	0x6f9c7509a39055c02f0270d05d9336094533628	未领取完	<a href="#">查看</a>

前一页 1 2 3 4 5 后一页

## 9. Posted Task List Posted

CrowdBC 任务 账户 系统 欢迎! maomao

发布的任务 解决方案  搜索 下拉

工作者	评分等级	解决方案	操作
0	未评分!	This is a test.....	2017/05/29 07:59 <input type="button" value="评分"/>

前一页 1 2 3 4 5 后一页

## 10. Schedule Management

CrowdBC 任务 账户 系统 欢迎! testtest

发布的任务 接收的任务  搜索 下拉

截止日期	押金	描述	最大工作者数量	最低信用限制	当前工作者数量	奖励金额	任务地址	任务状态	操作
2017/05/29 08:30	100	<input type="button" value="详情"/>	2	60	1	1000	0x6f9c7509a39055cf02f0270d05d9336094533628	未领取完	<input type="button" value="提交方案"/>

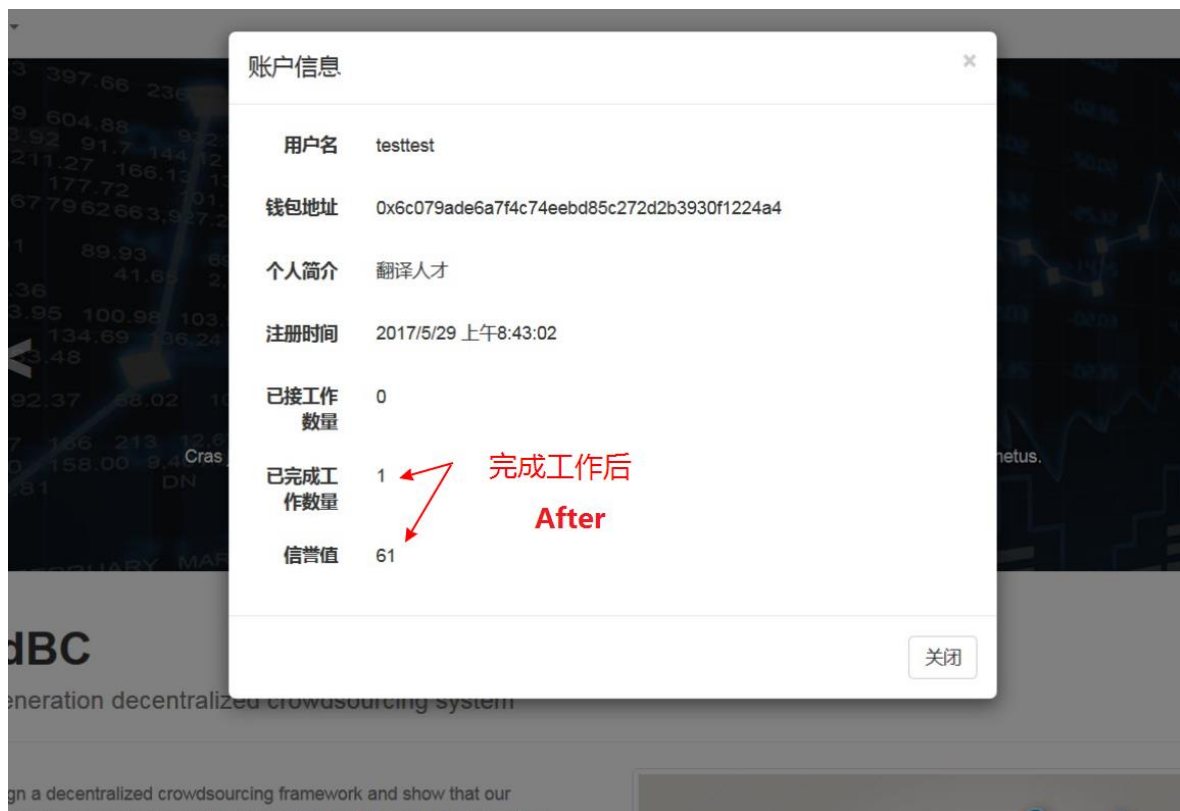
前一页 1 2 3 4 5 后一页

localhost:8080/crowdBC-task-management-racalued.html

## 11. Submit Solution

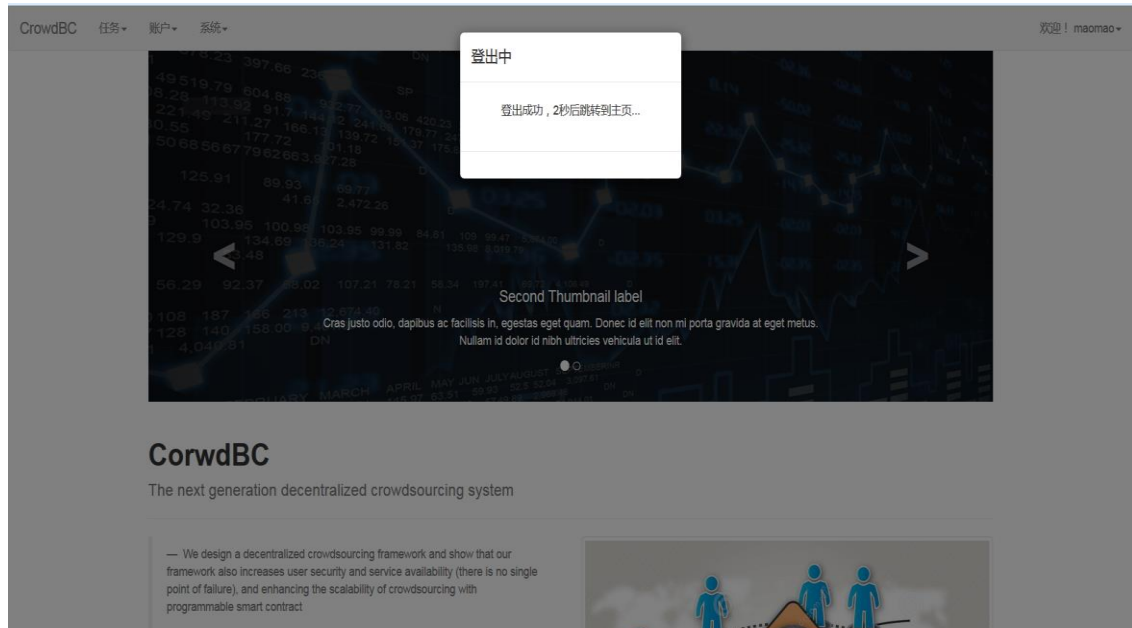


## 12. Reputation Management (Before the task)



## 13 Reputation Management (After the task)





## 14. Logout