

## Guidance of opening website

Copy the link below to Chrome or Firefox browser to open the website.

<http://cslinux.nottingham.edu.cn/~shyh11/src/index.php>

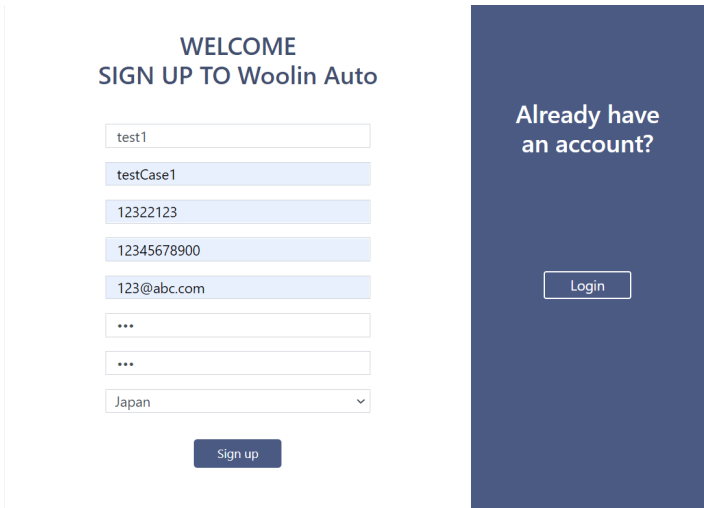
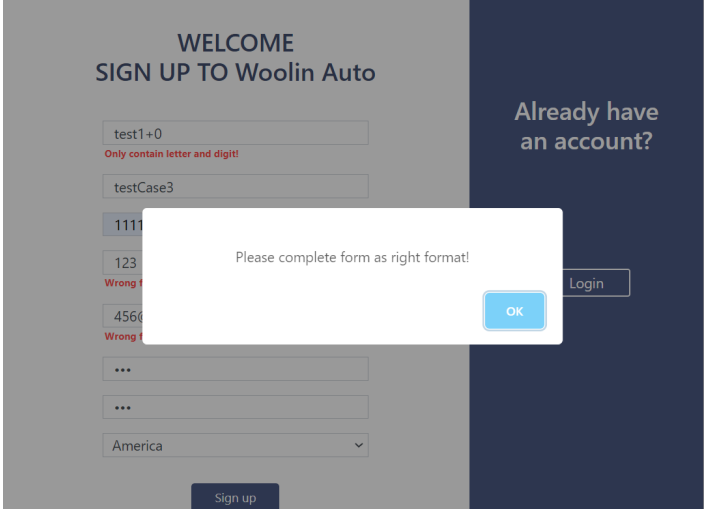
## Database information

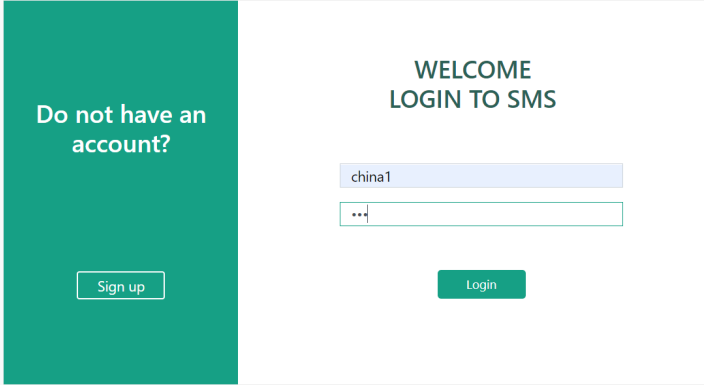
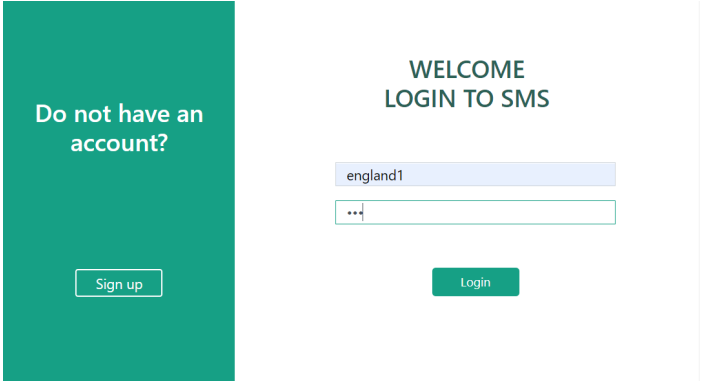
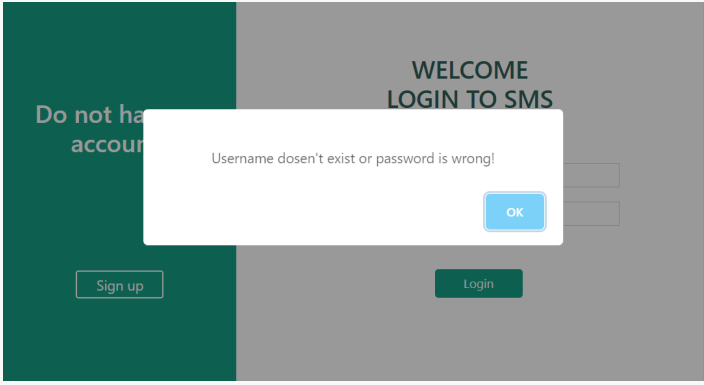
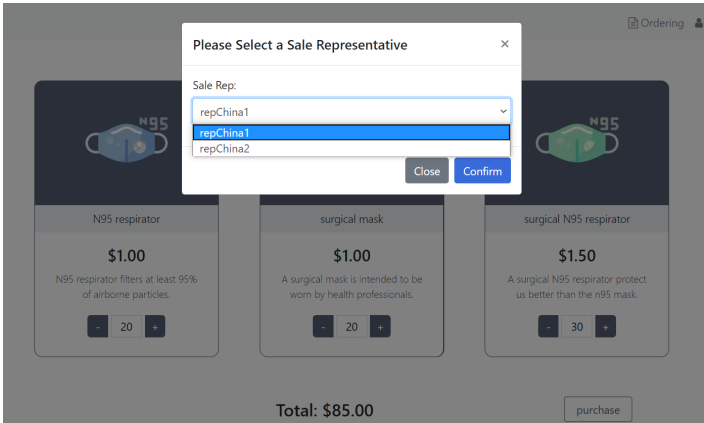
Here are some existent users' information, you can log in use these account to view their data.

Role	Username	Password
manager	manager	111
customer	america1	111
customer	canada1	111
customer	china1	111
customer	china2	111
customer	japan1	111
customer	korea1	111
sale rep	rep	111
sale rep	repAmerica1	111
sale rep	repCanada1	111
sale rep	repCanada2	111
sale rep	repChina1	111
sale rep	repChina2	111
sale rep	repJapan1	111
sale rep	repKorea1	111
sale rep	repKorea2	111

## Test data

### 1. customer system test

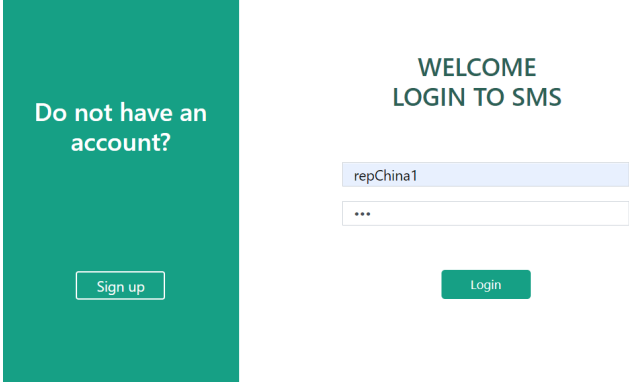
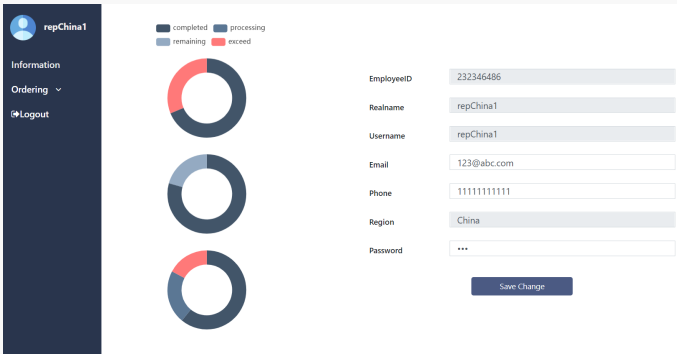
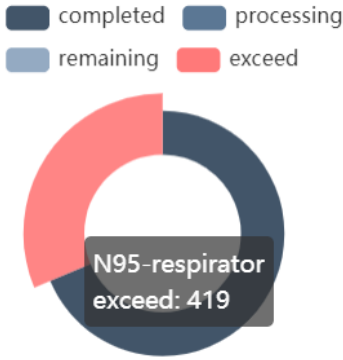
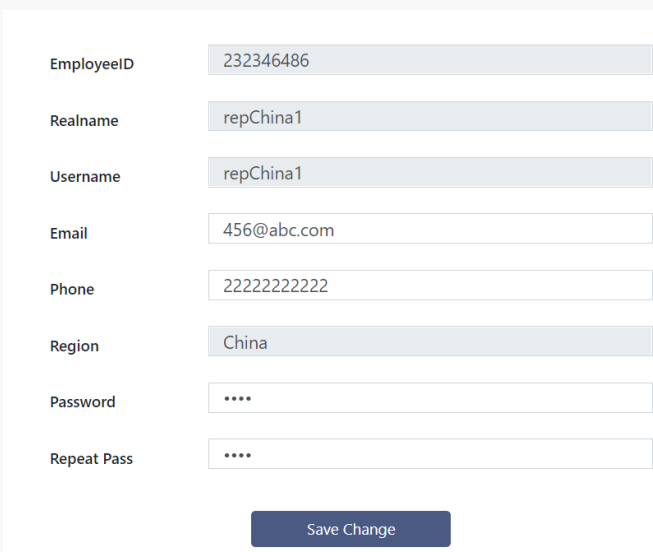
test index	test functionality	data input	screen shot
1	sign up (correct one)	test1 testCase1 12322123 12345678900 <a href="#">123@abc.com</a> 111 111 Japan	
2	sign up (handle user name repeat)	test1 testCase2 11111 11111111111 <a href="#">456@abc.com</a> 111 111 China	
3	sign up (handle wrong format input)	test1+0 testCase3 11111 123 456@abc 111 111 China	

test index	test functionality	data input	screen shot
4	log in (correct one)	china1 111	 <p>jump to start page</p>
5	log in (correct one)	england1 111	 <p>jump to start page</p>
6	log in (incorrect one)	noregister 123	
7	purchase (valid one)	< use test 4 firstly> 20 20 30 repChina1	

test index	test functionality	data input	screen shot
8	purchase (handle no sale rep)	< use test 5 firstly> 20 20 30	
9	purchase (handle quantities are 0)	< use test 4 firstly> 0 0 0	
10	view ordering	< use test 4 firstly, click button 'Ordering'>	
11	cancel ordering	< use test 7 firstly>	
12	view personal information	< use test 4 firstly, click button 'Information'>	

test index	test functionality	data input	screen shot
13	change information (correct one)	< use test 4 firstly> <a href="mailto:456@abc.com">456@abc.com</a> 18055220303 1111 1111	
14	change information (handle wrong input)	< use test 4 firstly> 456@abc 1805522 1111 12	
15	logout	< use test 4 firstly, click button 'Logout'>	

## 2. sale rep system test

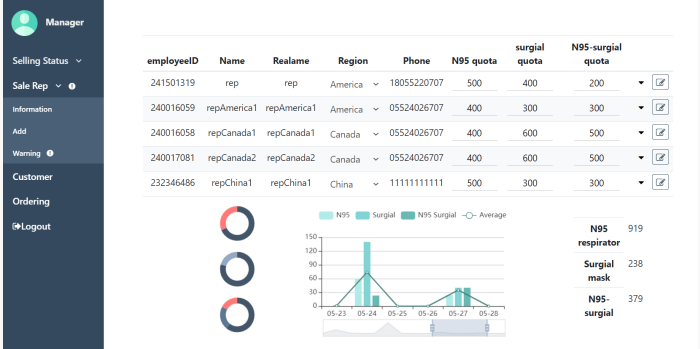
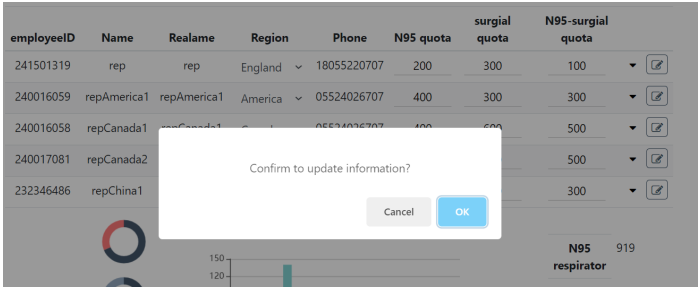
test index	test functionality	data input	screen shot
16	login	repChina1 111	
17	view personal information	< use test 16 firstly>	
18	view quota situation	< use test 16 firstly, put mouse on the circle>	
19	change information (correct one)	< use test 16 firstly> <a href="mailto:456@abc.com">456@abc.com</a> 2222222222 1111 1111	

test index	test functionality	data input	screen shot
20	change information (handle abnormal one)	< use test 16 firstly> 456@abc 2222222 1111 12	
21	view orderings	< use test 16 firstly, click ordering button>	
22	view customer's information	< use test 21 firstly, click button customer's name>	
23	cancel abnormal ordering	< use test 21 firstly, click button 'cancel'>	

### 3. customer system

test index	test functionality	data input	screen shot																																
24	login	repChina1 111	<div><div>Do not have an account?  <div>Sign up</div></div><div><div>WELCOME LOGIN TO SMS</div><div><div>repChina1</div><div>...</div></div><div>Login</div></div></div>																																
25	view selling situation	< use test 21 firstly, jump to this page automatically>	<div><div><div>Manager</div><div>Selling Status</div><div>Sale Rep</div><div>Customer</div><div>Ordering</div><div>Logout</div></div><div><div>All Region</div><div>China</div><div>America</div><div>England</div><div>Canada</div><div>Japan</div><div>Korea</div><div><div>N95 respirator</div><div>Surgical mask</div><div>N95-surgical</div></div><div><div>Japan</div><div>China</div><div>England</div><div>America</div><div>Korea</div><div>Canada</div></div><div><div>Japan</div><div>China</div><div>England</div><div>Amer...</div><div>Korea</div><div>Canada</div></div><div><div>Japan</div><div>China</div><div>England</div><div>Amer...</div><div>Korea</div><div>Canada</div></div><div><div>N95</div><div>Surgical</div><div>N95 Surgical</div><div>Average</div></div><div><div>800</div><div>600</div></div></div></div>																																
26	view one region's selling situation	< use test 21 firstly, click region button>	<div><div>All Region</div><div>China</div><div>America</div><div>England</div><div>Canada</div><div>Japan</div><div>Korea</div><div><div>N95</div><div>Surgical</div><div>N95 Surgical</div><div>Average</div></div><div><div>250</div><div>200</div><div>150</div><div>100</div><div>50</div><div>0</div></div><div><div>05-21</div><div>05-22</div><div>05-23</div><div>05-24</div><div>05-25</div><div>05-26</div><div>05-27</div><div>05-28</div></div><div><table><tr><th></th><th>Quantity</th><th>Revenue</th></tr><tr><td>N95 respirator</td><td>1332</td><td>\$1,332.00</td></tr><tr><td>Surgical mask</td><td>820</td><td>\$820.00</td></tr><tr><td>N95 surgical</td><td>646</td><td>\$969.00</td></tr></table></div></div>		Quantity	Revenue	N95 respirator	1332	\$1,332.00	Surgical mask	820	\$820.00	N95 surgical	646	\$969.00																				
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N95 respirator	1332	\$1,332.00																																	
Surgical mask	820	\$820.00																																	
N95 surgical	646	\$969.00																																	
27	view processing ordering	< use test 21 and 7 firstly, click 'under ordering' button>	<div><div><div>Manager</div><div>Selling Status</div><div>Under Ordering</div><div>Sale Rep</div><div>Customer</div><div>Ordering</div><div>Logout</div></div><div><div>All Region</div><div>China</div><div>America</div><div>England</div><div>Canada</div><div>Japan</div><div>Korea</div><div><div>N95 respirator</div><div>Surgical mask</div><div>N95-surgical</div></div><div><div>Japan</div><div>China</div><div>England</div><div>Amer...</div><div>Korea</div><div>Canada</div></div><div><div>Japan</div><div>China</div><div>England</div><div>Amer...</div><div>Korea</div><div>Canada</div></div><div><div>Japan</div><div>China</div><div>England</div><div>Amer...</div><div>Korea</div><div>Canada</div></div></div></div>																																
28	view detailed processing ordering	< use test 27 firstly, click region button>	<div><div>All Region</div><div>China</div><div>America</div><div>England</div><div>Canada</div><div>Japan</div><div>Korea</div><div><table><tr><th>Ord-ID</th><th>Date</th><th>Customer</th><th>Sale Rep</th><th>Mask Types</th><th>Quantity</th><th>Sales</th><th>Total Sales</th></tr><tr><td>052900401037</td><td>2020-05-29 00:40:10</td><td>china2</td><td>repChina1</td><td>N95 respirator</td><td>0</td><td>\$0.00</td><td>\$150.00</td></tr><tr><td></td><td></td><td></td><td></td><td>surgical mask</td><td>0</td><td>\$0.00</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>surgical N95 respirator</td><td>100</td><td>\$150.00</td><td></td></tr></table></div></div>	Ord-ID	Date	Customer	Sale Rep	Mask Types	Quantity	Sales	Total Sales	052900401037	2020-05-29 00:40:10	china2	repChina1	N95 respirator	0	\$0.00	\$150.00					surgical mask	0	\$0.00						surgical N95 respirator	100	\$150.00	
Ord-ID	Date	Customer	Sale Rep	Mask Types	Quantity	Sales	Total Sales																												
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				surgical N95 respirator	100	\$150.00																													



test index	test functionality	data input	screen shot
29	view sale reps' data	< use test 21 firstly, click 'information' button, click 'down' sign to see details>	
30	update sale reps' information	< use test 29 firstly, input in first line> England 200 300 100	
31	add new sale rep (correct one)	< use test 21 firstly, click 'add' button> repTest1 repTest1 111 111 <a href="mailto:1234@qq.com">1234@qq.com</a> 05524026707 China 300 300 300	
32	add new sale rep (handle abnormal one)	< use test 21 firstly, click 'add' button> repWrong++ repWrong++ 1111 12 <a href="mailto:1234@qq.com">1234@qq</a> 0552402 China 300 300 300	

test index	test functionality	data input	screen shot
33	get warning	< use test 21 firstly, click 'warning' button>	 <p>The screenshot shows a 'Manager' sidebar with options: Selling Status, Sale Rep, Information, Add, Warning (highlighted), Customer, Ordering, and Logout. The main area displays a table with columns: Name, Type, Sold/Quota, and Re-grant. Data rows include repChina1, repChina2, replapan1, and replapan2. A 're-grant' button is at the bottom right.</p>
34	view customers' data	< use test 21 firstly, click 'Customer' button, click 'Info' button to see details>	 <p>The 'Detailed' modal window displays a pie chart with segments for N95 (blue) and Surgical (dark blue). To the right, it shows: Ordering Amount: 7, Total Quantity: 775, and Total Sales: \$860.5. The background shows a table of customers with columns: PassportID, Name, Region, Phone, and an Info button.</p>
35	view orderings conditionally	< use test 21 firstly, click 'ordering' button>	 <p>The screenshot shows a calendar interface for May 2020. Above the calendar are filters for Region (America), Status (completed), and a date range (2020-05-18 to 2020-05-24). The calendar grid shows dates with corresponding order IDs. A 'Check' button is in the top right.</p>
36	view customers' information in orderings	< use test 35 firstly, click customer name button>	 <p>The 'Detailed Info' modal window shows customer details: Username (america1), Realname (america1), Email (123@abc.com), Passport-ID (11111), and Telephone (05524026707). The background shows a table of orderings with columns: Ord-ID, Date, Customer, Sale Rep, Region, Mask Types, Quantity, Sales, Total Sales, and Status.</p>
37	view sale reps' information in orderings	< use test 35 firstly, click sale rep name button>	 <p>The 'Detailed Info' modal window shows sale representative details: Username (repAmerica1), Realname (repAmerica1), Email (123@abc.com), Employee-ID (240016059), and Telephone (05524026707). The background shows the same ordering table as in the previous screenshot.</p>