

<b>PROJECT / GROUP NAME</b>	<b>Group 15 Fifteen_Go</b>		
<b>Start Date</b>	Week 2	<b>Finish Date</b>	Week13
<b>Aim / Objective</b>	Analyze requirements, design business logic, and conduct initial design of GUI according to business logic.		
<b>Work package Manager</b>	Dong Yuehui		
<b>Contributors to this package</b>	Zhang Jingyuan Zhen Ziyang Zhang Tianhui Zhang Lei Dong Yuehui		
<b>Description / Activities</b>	<p>Task 1.1 Understand the log in and registered mode of the insurance system</p> <p>1.1.1 Find the existing insurance business website</p> <p>1.1.2 Registered</p> <p>1.1.3 Log in</p> <p>1.1.4 Create the available log-in and registered business logic</p> <p>Task 1.2 Obtain the insurance process according to the existing insurance system</p> <p>1.2.1 Find the existing baggage insurance coverage page</p> <p>1.2.2 Insurance operation</p> <p>Task 1.3 Study the insurance business logic</p> <p>1.3.1 Read the terms and conditions carefully</p> <p>1.3.2 Look for the available sections in the relevant articles</p> <p>1.3.3 Form part of the project insurance complete business logic and requirements</p> <p>Task 1.4 Understand baggage insurance claim process and required materials</p> <p>1.4.1 Make a claim on an existing insurance website</p> <p>1.4.2 Read the terms and conditions of claims in detail</p> <p>1.4.3 Establish available baggage insurance claims business logic</p> <p>Task 1.5 Set up the web background business logic required by the insurance company</p> <p>1.5.1 Consult insurance company employees</p> <p>1.5.2 The business logic of the back end of the insurance system is studied and optimized to provide a usable background system framework</p> <p>Task 1.6 After completing the system construction according to user requirements, the user manual will be gradually improved with the improvement of functions</p>		
<b>Milestones</b>		<b>Week</b>	
	M 1.1 Create the available log-in and registered business logic	<b>2</b>	
	M 1.2 Form part of the project insurance complete business logic and requirements	<b>2</b>	
	M 1.3 Establish available baggage insurance claims business logic	<b>2</b>	
	M 1.4 Provide a usable background system framework	<b>3</b>	

	M 1.5 Complete the user manual	13
<b>Deliverables</b>		Week
	D 1.1 Delivery the available log-in and registered business logic	2
	D 1.2 Delivery part of the project insurance complete business logic and requirements	2
	D 1.3 Delivery Establish available baggage insurance claims business logic	2
	D 1.4 Delivery usable background system framework	3
	D 1.5 Delivery completed user manual	13

<b>PROJECT / GROUP NAME</b>	<b>Group 15 Fifteen_Go</b>		
<b>Start Date</b>	Week 2	<b>Finish Date</b>	Week 13
<b>Aim / Objective</b>	Writing the front end GUI for the web and application		
<b>Work package Manager</b>	Zhao Wenqi		
<b>Contributors to this package</b>	Zhang Jingyuan, Zhen Ziyang, Zhang Tianhui, Zhang Lei, Dong Yuehui		
<b>Description / Activities</b>	<p><b>Task 2.1</b> Analyze the goals and objectives that the website needs to achieve through customer profiles.</p> <p>    <b>2.1.1</b> Analyze the goals.</p> <p>    <b>2.1.2</b> Structure the basic need.</p> <p>    <b>2.1.3</b> Draw the page layout drafts.</p> <p><b>Task 2.2</b> Complete the front section of the website.</p> <p>    <b>2.2.1</b> Determine the website section and structure of the website.</p> <p>    <b>2.2.2</b> Complete the web page gross structure.</p> <p>    <b>2.2.3</b> Determine the link structure of the website (jump between websites).</p> <p>    <b>2.2.4</b> Website beautify include picture and front.</p> <p>    <b>2.2.5</b> Perfect code.</p> <p><b>Task 2.3</b> Test the website and fix the bug.</p> <p>    <b>2.3.1</b> Test whether the page structure is correct.</p> <p>    <b>2.3.2</b> Test whether the page front is correct.</p> <p>    <b>2.3.3</b> Test whether the page can be expected jump.</p> <p>    <b>2.3.4</b> Test whether the file or picture can be uploaded correctly. (When the back-end development is not completed, we can test whether it can be uploaded to local correctly)</p> <p><b>Task 2.4</b> Complete the front section of the application.</p> <p>    <b>2.4.1</b> Determine the application section and structure of the website.</p> <p>    <b>2.4.2</b> Complete the application gross structure.</p> <p>    <b>2.4.3</b> Determine the link structure of the application pages (jump between pages).</p> <p>    <b>2.4.4</b> Application beautify.</p> <p>    <b>2.4.5</b> Perfect code.</p> <p><b>Task 2.5</b> Continuous optimization and beautification.</p> <p><b>Task 2.6</b> Test the application and fix the bug.</p> <p>    <b>2.6.1</b> Test whether the page structure is correct.</p> <p>    <b>2.6.2</b> Test whether the page front is correct.</p> <p>    <b>2.6.3</b> Test whether the page can be expected jump.</p> <p>    <b>2.6.4</b> Test whether the file or picture can be uploaded correctly. (When the back-end development is not completed, we can test whether it can be uploaded to local correctly)</p>		

<b>Milestones Week</b>		Week
	M 2.1 Analyze the goals and objectives that the website needs to achieve through customer profiles.	<b>3</b>
	M 2.2 Determine the website section and structure of the website.	<b>5</b>
	M 2.3 Complete the web page gross structure.	<b>6</b>
	M 2.4 Determine the link structure of the website (jump between websites)	<b>7</b>
	M 2.5 Website beautify include picture and front.	<b>8</b>
	M 2.6 Complete the front section of the application	<b>10</b>
	M 2.7 Continuous optimization and beautification	<b>11</b>
	M 2.8 Test the website and application	<b>13</b>
<b>Deliverables</b>		Week
	D 2.1 Delivery basic websites	<b>7</b>
	D 2.2 Delivery websites with beautifully decorated	<b>9</b>
	D 2.3 Delivery basic application	<b>10</b>
	D 2.4 Delivery application with beautifully decorated	<b>12</b>

<b>PROJECT / GROUP NAME</b>	<b>Group 15 Fifteen_Go</b>		
<b>Start Date</b>	Week 2	<b>Finish Date</b>	Week 13
<b>Aim / Objective</b>	Writing the front end GUI for an application		
<b>Work package Manager</b>	Zhen Ziyang		
<b>Contributors to this package</b>	Zhao Wenqi Zhang Tianhui Zhang Lei Dong Yuehui Zhang Jingyuan		
<b>Description / Activities</b>	<p>Task 3.1 Analyze the goals and objectives that the website needs to achieve through customer profiles.</p> <p>Task 3.2 Determine the website section and structure of the website.</p> <p>Task 3.3 Complete html.</p> <p>Task 3.4 Determine the link structure of the website (jump between websites)</p> <p>Task 3.5 Use CSS to make websites more beautiful.</p> <p>Task 3.6 Perfect code.</p> <p>Task 3.7 Test the website and fix the bug.</p>		
<b>Milestones</b>		<b>Week</b>	
	Task 3.1 Analyze the goals and objectives that the website needs to achieve through customer profiles.	<b>3</b>	
	Task 3.2 Determine the website section and structure of the website.	<b>5</b>	
	Task 3.3 Complete html.	<b>6</b>	
	Task 3.4 Determine the link structure of the website (jump between websites)	<b>7</b>	
	Task 3.5 Use CSS to make websites more beautiful.	<b>7</b>	
	Task 3.6 Perfect code.	<b>8</b>	
	Task 3.7 Test the website and fix the bug.	<b>9</b>	

Deliverables		Week
	Task 3.8 Delivery websites with beautifully decorated.	9

PROJECT / GROUP NAME	Group 15 Fifteen_Go		
Start Date	Week 2	Finish Date	Week 13
Aim / Objective	<ul style="list-style-type: none"> <li>● Establish the database of the system, connect with the cloud service, and provide reliable storage function.</li> <li>● Establish interactions (inputs and outputs) between database and front-end operations.</li> <li>● Achieve detailed realization of functions (representing provided operations). Produce normative source codes to fully explain our ideas.</li> <li>● Optimize data structures and algorithms in use for clearer logic and ideas.</li> </ul>		
Work package Manager	Zhang Lei		
Contributors to this package	Dong YueHui, Zhang Tianhui, Zhao Wenqi, Zhang Jingyuan, Zhen Ziyang		
Description / Activities	<p>Task 4.1 Design the database structure according to the business logic and user requirements</p> <p>Task 4.2 Establish a cloud-based Server Space and connect it with Internet</p> <p>Task 4.3 Details about database</p> <ul style="list-style-type: none"> <li>● 4.3.1 Create a View for database and generate a document which shows how these data are connected with each other</li> <li>● 4.3.2 Establish a series of logical tables for database <ul style="list-style-type: none"> <li>○ 4.3.2.1 Choice suitable keys and foreigner keys</li> <li>○ 4.3.2.2 Make sure each table works well after a set of operations implemented in front-end. Workers and customers could change databases by delivering data, inserting and deleting data.</li> </ul> </li> </ul> <p>Task 4.4 Database and front-end interaction</p> <ul style="list-style-type: none"> <li>● 4.4.1 After the user registers, the new customer information is automatically added to the customer table and synchronized to other tables.</li> <li>● 4.4.2 Users can add, update and delete personal information through the front-end.</li> <li>● 4.4.3 Each insurance order information should be able to be tracked through the front-end.</li> </ul> <p>Task 4.5 Optimization and functional improvement</p> <ul style="list-style-type: none"> <li>● 4.5.1 Make sure that customers can use their mobile phone to receive authentication codes for register</li> <li>● 4.5.2 Guarantee that all the passwords are complex enough</li> </ul> <p>Task 4.6 Test and optimize all the functions</p>		
Milestones			Week
	M 4.1 Establish a cloud-based Server Space		4
	M.4.2 Complete the database design		4
	M 4.3 Establish a complete structural database. Make sure that the function works properly		6
	M 4.4 The database is well connected to the front-end. The data storage function has been realized.		9

	M 4.5 Send authentication codes to customers M 4.6 Final Release	<b>11</b> <b>13</b>
<b>Deliverables</b>		Week
	D 4.1 A available server space	<b>4</b>
	D 4.2 The UML diagram of the whole structural database	<b>4</b>
	D 4.3 A suitable database (a set of queries)	<b>6</b>
	D 4.4 A series of SQL statements that suitable to realize the functions of the front-end.	<b>9</b>
	D 4.5 Authentication code function	<b>11</b>



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Aim / Objective	<ul style="list-style-type: none"> <li>● Establish the database of the system, connect with the cloud service, and provide reliable storage function.</li> <li>● Establish interactions (inputs and outputs) between database and front-end operations.</li> <li>● Achieve detailed realization of functions (representing provided operations). Produce normative source codes to fully explain our ideas.</li> <li>● Optimize data structures and algorithms in use for clearer logic and ideas.</li> </ul>		
Work package Manager	Zhang Tianhui		
Contributors to this package	Dong YueHui, Zhang Lei, Zhao Wenqi, Zhang Jingyuan, Zhen Ziyang		
Description / Activities	<p>Task 5.1 Design the database structure according to the business logic and user requirements</p> <p>Task 5.2 Establish a cloud-based Server Space and connect it with Internet</p> <p>Task 5.3 Details about database</p> <ul style="list-style-type: none"> <li>● 5.3.1 Create a View for database and generate a document which shows how these data are connected with each other</li> <li>● 5.3.2 Establish a series of logical tables for database <ul style="list-style-type: none"> <li>○ 5.3.2.1 Choice suitable keys and foreigner keys</li> <li>○ 5.3.2.2 Make sure each table works well after a set of operations implemented in front-end. Workers and customers could change databases by delivering data, inserting and deleting data.</li> </ul> </li> </ul> <p>Task 5.4 Database and front-end interaction</p> <ul style="list-style-type: none"> <li>● 5.4.1 After the user registers, the new customer information is automatically added to the customer table and synchronized to other tables.</li> <li>● 5.4.2 Users can add, update and delete personal information through the front-end.</li> <li>● 5.4.3 Each insurance order information should be able to be tracked through the front-end.</li> </ul> <p>Task 5.5 Optimization and functional improvement</p> <ul style="list-style-type: none"> <li>● 5.5.1 Make sure that customers can use their mobile phone to receive authentication codes for register</li> <li>● 5.5.2 Guarantee that all the passwords are complex enough</li> </ul> <p>Task 5.6 Test and optimize all the functions</p>		
Milestones			Week
	M 5.1 Establish a cloud-based Server Space		4
	M.5.2 Complete the database design		4
	M 5.3 Establish a complete structural database. Make sure that the function works properly		6
	M 5.4 The database is well connected to the front-end. The data storage function has been realized.		9

	M 5.5 Send authentication codes to customers M 5.6 Final Release	<b>11</b> <b>13</b>
<b>Deliverables</b>		Week
	D 5.1 A available server space	<b>4</b>
	D 5.2 The UML diagram of the whole structural database	<b>4</b>
	D 5.3 A suitable database (a set of queries)	<b>6</b>
	D 5.4 A series of SQL statements that suitable to realize the functions of the front-end.	<b>9</b>
	D 5.5 Authentication code function	<b>11</b>

<b>PROJECT / GROUP NAME</b>	<b>Group 15 Fifteen_Go</b>		
<b>Start Date</b>	Week 2	<b>Finish Date</b>	Week 13
<b>Aim / Objective</b>	Testing and Optimization for an application		
<b>Work package Manager</b>	Zhang Jingyuan		
<b>Contributors to this package</b>	Zhao Wenqi, Zhen Ziyang, Zhang Tianhui, Zhang Lei, Dong Yuehui		
<b>Description / Activities</b>	<p>Task 6.1 First task is testing every part of the project with front and back-end development.</p> <p>6.1.1 During UI development, each stage is completed and then tested to ensure that the program runs correctly.</p> <p>6.1.1.1 Whether the page can be expected to jump</p> <p>6.1.1.2 Whether the file or picture can be uploaded correctly. (When the back-end development is not completed, we can test whether it can be uploaded to local correctly)</p> <p>6.1.2 In the development process of the back-end, the correctness of the algorithm needs to be tested.</p> <p>6.1.2.1 Under the condition of ensuring the correct operation of the back-end program, the design of the database needs to be optimized to simplify the data processing.</p> <p>Task 6.2 Communicate with customers to confirm that current software development is consistent with user requirements.</p> <p>6.2.1 Whether the design of the user interface can meet the needs of users, and whether the operation of the interface is easy to understand for users.</p> <p>6.2.2 Whether back-end development is sufficient to support all user needs</p> <p>Task 6.3 After the completion of front-end interaction, test whether all functions of the program can work as expected.</p> <p>6.3.1 Whether the data can be safely and accurately transmitted to the cloud and stored in the corresponding database.</p> <p>6.3.1.1 Ensure that the information is safe during transmission</p> <p>6.3.2 Whether the employee account can receive the application of the customer in a very short time and feedback the processing result to the user in a timely manner.</p> <p>6.3.2.1 Optimize information transfer speed.</p> <p>Task 6.4 Introduce the user to all the functions of the software at this stage, and confirm again whether the software is consistent with customer requirements</p> <p>Task 6.5 Add practical small functions</p> <p>6.5.1 Add verification code verification when logging in, or mobile verification code verification</p> <p>6.5.2 Add WeChat and QQ account login</p> <p>6.5.3 Design WeChat small program</p> <p>Task 6.6 Test whether the new function works correctly</p>		
<b>Milestones</b>			<b>Week</b>
	M 6.1 Complete the testing of the UI(web and app)		7
	M 6.2 To optimize the user interface (web and app). Complete the development of software back-end.		8
	M 6.3 Test front and rear end connections.		9

	<p>Basic functions can be put into practice correctly.</p> <p>M 6.4 Optimize software speed and information transfer efficiency</p> <p>M 6.5 Beautify software interface.</p> <p>Add WeChat applets and login security measures.</p> <p>M 6.6 Final Release</p>	<p>11</p> <p>12</p> <p>13</p>
<b>Deliverables</b>		<b>Week</b>
	<p>D 6.1 Submit basic web page and app user interface code</p> <p>D 6.2 Submit web pages and apps that perform basic functions</p> <p>D 6.3 Submit a polished version</p> <p>D 6.4 Submit the final version with more minor features.</p>	<p><b>7</b></p> <p><b>9</b></p> <p><b>12</b></p> <p><b>13</b></p>