

Epic	ID	Role (As a)	Goal (I want to)	Benefit (So that I can)	Size Estimation	MosCow Priority	Task Division
Manage Personal Account	1	Group member	Register a new account	Add groups and vote for activities in the groups, as well as manage my account	M	Must-have	<p>1. Develop the register page, the user can input a nickname and password and then register.</p> <p>2. Password should be safe, with at least 8 characters and includes numbers and letters. If the password input by the user is not safe, there should be a notification to change the password.</p> <p>3. The system should automatically allocate a new user ID for the user after successfully registering.</p> <p>4. After successfully registering, there will be a notification shows “Do you want to log in now?”. If the user chooses “Yes”, the app will redirect to the personal home page. If choose “No”, the app will redirect to the log in page.</p>
	2		Sign in	Enter my personal home page	S	Must-have	<p>1. Let the user input user ID and password to log in.</p> <p>2. If the user ID does not exist or the password is wrong, there should be a corresponding notification.</p>
	3		Manage Account	Change my nickname, change my password and logout to transfer to another account	L	Should-have	<p>1. After the user clicks the setting icon on the home page, the user can enter the interface of account management. This interface includes the options of change nickname, change password and logout, and shows the user ID.</p> <p>2. The user can change the nickname by inputting a new one.</p> <p>3. The user can change the password by inputting a new one. Validity verification should also be applied here.</p> <p>4. The user can log out. After logging out, the page should be redirected to the landing page.</p>

Group Management	4	Group member	Add a group	Share my interests with other group members and vote for activities in a group	S	Must-have	<p>1. The user can enter the group ID and corresponding group pin.</p> <p>2. If the ID and pin are correct, the group will appear in the “my groups” page, and there will be a toast that shows “Enter group successfully”.</p> <p>3. If one of them is wrong, there should be a notification.</p>
	5		Leave a group	Withdraw from a group that I no longer belong to	S	Should-have	<p>1. Long press one of the groups in the list of my groups, there will be a popup menu that contains the option of “Leave Group”</p> <p>2. When the user press “Leave Group”, there will be a confirmation box. After user click “Yes”, the chosen group will disappear from the list of my groups</p>
	6		Select the current group	See the activity of the group and all shared places in this group	L	Must-have	<p>1. After pressing one of the groups from the list of my groups, the group shown on home page will be transferred to the chosen one.</p> <p>2. The activity name will then be shown on the Current voting in the home page as well as the corresponding activity time.</p> <p>3. The shared places on the map page and the list page will be transferred to the places shared in the chosen group.</p> <p>4. The group number for every group will be shown under the group name of each group in my groups page.</p>
	7	Group leader	Create a new group	Manage the activities and members in a new group	L	Must-have	<p>1. There will be a “Create new group” button in the add group page.</p> <p>2. After clicking the button, the user will be navigated to the create new group page.</p> <p>3. In this page, the user should fill in the group name and group pin to create a new group. The system should automatically allocate a new group ID after successfully created. The user</p>

							<p>who creates the group will become the group manager.</p> <p>4. The group will then be shown on my groups page.</p>
	8		Manage a group	Change group name or password, and manage group members	L	Could-have	<p>1. For the group that the user manages, there will be a “Manage Group” button under the “Add location” button in the home page.</p> <p>2. After clicking the button, the user can see the options of “Change group name”, “Modify group pin” and “Manage group members”.</p> <p>3. After clicking “Change group name”, the user needs to input a new group name.</p> <p>4. After clicking “Change group pin”, the user needs to input a new group password and there will be a confirmation box.</p> <p>5. After clicking “Manage group members”, a group member list page will be shown. Long press one of the group members in the list, there will be a popup menu that contains the option of “Kick out the group member”. After clicking it, the member will be deleted from the group.</p>
Share Place	9	Group member	Share a place that originally appears on the map api	Share a place with other group members	M	Must-have	<p>1. The user can input the address of the place to share, and then there will be search results according to the input address. If there is a correct result, the user can click it to enter the add sharing place page. The place name will be automatically filled in based on the map api (But the user can still change it).</p> <p>2. If the user doesn’t input an address, the address will be the user’s current location by default.</p>
	10		Share a place that doesn’t appear on the map api	Share a place with other group members	M	Should-have	<p>1. If the place that the user wants to add is not shown on the map api, the user is permitted to add a location by clicking a place on the map. Then the user can enter the add sharing place page.</p>

	11		Introduce the place I am sharing	Add place name, place type, recommend reason and photo / video of the place	L	Must-have	<p>1. In the add sharing place page, the user can input the place name, choose the place type as well as take and upload relevant photos and videos of the place.</p> <p>2. After clicking the “Add” button on this page, the new shared place will be displayed on the map page and the list page.</p>
	12		Delete a place shared by myself	Cancel the sharing if I don’t want to recommend it any more	M	Could-have	<p>1. The user can view the shared place added by him/herself on the map page or the list page, and there will be a “Delete” button.</p> <p>2. After clicking it, there will be a confirmation box. After the user clicking “Yes”, the place will disappear from the map page and the list page.</p>
	13		Insert new recommendation reasons / photos / videos to the already existing shared places	Share my own recommendation to a place that others have shared	M	Could-have	<p>1. When click the “Add” button in the recommend reason section in place detail page, the user can add new recommendation reasons.</p> <p>2. When click the “Add” button in the photo / video section in place detail page, the user can add new photos / videos.</p>
View and vote for shared places	14	Group member	View the location of shared places marked on the map	See group members’ recommendation vividly	S	Must-have	<p>1. All the places shared by the members in the same group will be shown on the map page. Every shared place will be represented by a mark.</p>
	15		See detailed information of shared places on the map	Click the mark of a shared place to view its detailed information like reason for recommendation and photos	M	Must have	<p>1. When click a mark on the map page, a window displays the detailed information of the corresponding shared place will popup.</p> <p>2. In this window, there will be place name, place address, recommendation reason and related photos/videos.</p>
	16		Filter shared places on the map	Filter the places that I want to see based on the number of votes and type of place	S	Should have	<p>1. By adding a filter, the user can choose to only see a certain type of shared places or places getting higher than a certain number of votes on the map page.</p>
	17		View the detailed information of shared places by list	Slide down to see the shared places in the list form clearly	M	Must have	<p>1. In the list page, the user can see all the places shared by the members in the same group in the</p>

							<p>list form. By clicking one of them, the user can enter the place detail page that includes place name, place address, recommendation reason and related photos/videos.</p> <p>2. In the place detail page, the user can click the “More” button to see all the recommend reasons.</p>
	18		Filter and sort shared places on the list	Filter the places I want to see based on the number of votes, type of place or the places I shared, and sort them by added time or number of votes	M	Should have	<p>1. By adding a filter, the user can choose to only see a certain type of shared places or places getting higher than a certain number of votes on the list page. The user can also see the places added by him/herself by choosing “The places I shared”.</p> <p>2. There will be two sorting methods on the list page, which are sorting by recently added time or by higher to lower number of votes.</p>
	19		Search shared places on the list	Search the related shared places by key words	S	Could have	<p>1. There will be a search field on the list page. The user can input key words in it and then the results will be shown on the list page using regular matching search.</p>
	20		Vote for places	Vote for the places I want to be the activity spot through the map or the list	M	Must have	<p>1. On the map page, the list page or the place detail page, the user can vote for shared places by clicking the “Vote” button.</p> <p>2. After voting, the “Vote” button will change to the text that shows how many users have voted for this place. For example, if 5 people voted for a place, the text will show “5 voted”.</p>
	21	Group leader	Launch a new activity in the app	Start the corresponding vote	L	Must have	<p>1. There will be a “Set voting” button in the Current voting row in home page. After clicking this button, a vote setting page will be shown for the group manager. In this page, the group manager needs to input the activity name, the voting duration, and the alternatives for this vote.</p> <p>2. The group manager can select alternatives from the shared places in this group for this activity. The manager can select in the list form.</p>

	22		Hide shared places out of the alternatives from the map and the list	Let the group members focus on the alternatives for the current activity	M	Should have	1. After finishing the vote setting, all members in this group will see the updated map page and list page when selecting this group as their current group. There will only be alternatives shown on the pages and other shared places will be hidden in the voting period for the current activity.
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