

## System Roles

User - A standard user of the Smart City system, this user has no knowledge of the back-end of the system (this includes tourist, student and businessman account types)

Admin - An administrator of Smart City system, this user has knowledge of the back-end of the system

**MOVE INFORMATION HERE INTO POWERPOINT.**

1	Log-in process	MUST (1)
<i>As a user, I want to be able to input my username and password so that I can login and access the servers</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"><li>• Must show input text fields.</li><li>• 'Sign In' and 'Sign Up' must be differentiated.</li><li>• A table in the database MUST be created for this story.</li></ul>		
<b>Notes</b> <ul style="list-style-type: none"><li>•</li></ul>		

<b>2</b>	<b>Registration process</b>	<b>MUST (2)</b>
<i>As a user, I want to be able to register for an account so that I can access content for registered users</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Must select user type</li> <li>• Must validate username as unique</li> <li>• Should be capable of storing phone no., email and residential address</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>• Input details will be stored in the MySQL database</li> <li>• Password will be encrypted</li> </ul>		

<b>3</b>	<b>Viewing additional information</b>	<b>SHOULD (8)</b>
<i>As a user, I want to be able to view the city information that other accounts hold so I can access more content when required</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Must be capable of displaying relevant user-type information</li> <li>• Must only be available while remaining logged in current session</li> <li>• Must exclude 'Administrator' user-type information</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

<b>4</b>	<b>Web browser support</b>	<b>Could (1)</b>
<i>As a user, I want to be able to access the system on multiple browser platforms so that I am not locked into using just one browser</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• All acceptance tests are passed in IE 8, 9, Firefox, Chrome, Safari, Opera</li> <li>• All features and functionality are working on the above browsers</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

<b>5</b>	<b>Welcome page</b>	<b>MUST (1)</b>
<i>As a user, I want to be able to easily browse and navigate a home page, so that I can decide if I want to use the system</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Introduce site services.</li> <li>• Provide link to create new user accounts (student, tourist, businessman).</li> <li>• Log on feature present (but not necessarily functional) on welcome page.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>• Create an intuitive webpage/frontpage</li> <li>•</li> </ul>		

<b>6</b>	<b>Admin account setup page</b>	<b>MUST (4)</b>
<i>As an administrator, I want to be able to access a separate web page so that i can access administrator tools.</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Must be unique page.</li> <li>• Must be accessible only by 'Admin' user account type.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

<b>7</b>	<b>Account security</b>	<b>COULD (2)</b>
<i>As a user I want security on my account so that my personal data will be kept confidential</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Password must be converted to asterisks.</li> <li>• Show CAPTCHA to avoid robots.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

8	Account recovery	COULD (2)
<p><i>As a user I want to be able to recover my account details, so that when details are forgotten i can retrieve my account</i></p>		
<p><b>Acceptance Criteria</b></p> <ul style="list-style-type: none"> <li>• Have 'forgot password/username' feature</li> <li>• Account details sent back to user</li> </ul>		
<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• Unique Code sent to the users email</li> <li>• Add in a temporary code in the database table</li> </ul>		

9	Data manipulation	MUST (4)
<p><i>As an administrator, I want to be able to have the ability to add and modify city data so that I can improve the system as required</i></p>		
<p><b>Acceptance Criteria</b></p> <ul style="list-style-type: none"> <li>• Modifying data only permitted for 'Admin' user account type</li> </ul>		
<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>•</li> </ul>		

<b>10</b>	<b>Admin account creation</b>	<b>MUST (2)</b>
<i>As an administrator, I want to be able to create other administrator account types so that admin duties can be split among other users.</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Admin account must be created with use of admin account.</li> <li>• Must be accessed on admin specific webpage.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

<b>11</b>	<b>Segmented data</b>	<b>MUST (1)</b>
<i>As an admin, I want the specific industry city information separated, so that the system can provide the appropriate information to the relevant account types.</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• College, industries, libraries and hotels MUST be separate from generic city info.</li> <li>•</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

12	Generic city information	MUST (2)
<i>As an admin, I want the generic city data to be displayed for all users, so that all users will have an understanding of the city.</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Park, zoo, museum, restaurant and mall data must be shown to all users</li> <li>• Tables made in SQL</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

13	Map data	MUST (1)
<i>As a user, I want a map feature so that I can navigate and locate the destinations that interest me.</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Google Maps API must be implemented.</li> <li>• Must display data points.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

14	Map updates	SHOULD (8)
<p><i>As an admin I want to be able to upload map data of the cities to the system so that I can provide up to date locations to users.</i></p>		
<p><b>Acceptance Criteria</b></p> <ul style="list-style-type: none"> <li>• Only admin accounts can upload map data to the system</li> <li>• Specific locations have individual maps which can be updated by admin.</li> </ul>		
<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• Google API is used for main map.</li> </ul>		

15	Tourist account	MUST (2)
<p><i>As a tourist, I want to be able to view relevant information, so that I can better enjoy my stay in the city.</i></p>		
<p><b>Acceptance Criteria</b></p> <ul style="list-style-type: none"> <li>• Tourist account must be able to view hotel data.</li> <li>• MUST also view generic city information.</li> </ul>		
<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>•</li> </ul>		



16	Student account	MUST (2)
<i>As a student I want to be able to view relevant information, so that I can prepare for my studies</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Student accounts must be able to view college and library data</li> <li>• must also view generic city information</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

17	Business account	MUST (2)
<i>As a businessman I want to be able to see relevant information, so that I can plan my business trips in the city</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Business accounts must be able to see hotel and industry data</li> <li>• Must be able to view city information</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>•</li> </ul>		

18	System scalability	SHOULD (4)
<i>As an admin, I want to be able to support expansion so that I can provide this service to other major cities and other city information</i>		
<b>Acceptance Criteria</b> <ul style="list-style-type: none"> <li>• Database design capable of supporting expansion of city data-set.</li> <li>• Intelligent coding conventions to allow for reuse in future iterations.</li> </ul>		
<b>Notes</b> <ul style="list-style-type: none"> <li>• Functions used as often as possible.</li> <li>• Libraries used and/or created.</li> </ul>		

\*Release 1 should span all 8 weeks

\*As an admin, I want to Add/ delete user accounts

\*As a user, I want to view the 3D map data