

Mr. Bear - Technical Requirements

Reference Number	Technical Requirement	User Requirements	Test	Status
Image Server				
1.1.1.1	Store images in database based on building	1.1		Incomplete
1.1.1.2	Receive image from client and rank buildings based on how well they match the image	1.1		Incomplete
1.1.1.3	Send list of buildings to client	1.1		Incomplete
1.2.1.1	Use image sent by client and user selection of building to improve building matcher capability	1.2		Incomplete
2.2.1.1	Send building data to client when requested	2.2		Incomplete
2.4.1.1	Receive text from client and respond with a list of possible buildings that match the query	2.4		Incomplete
3.1.1.1	Identify rough coordinates of buildings recognized in image sent by client and respond with a building name and coordinate	3.1		Incomplete
3.2.1.1	Provide simple scripts for adding building information and images to the server	3.2		Incomplete
Android App				
1.1.2.1	Allow user to take a picture and send picture to server	1.1		Incomplete
1.1.2.2	Display listing of buildings received from server	1.1		Incomplete
1.2.2.1	Allow user to select building that matches the photo taken, and send that decision to the server	1.2		Incomplete
2.1.2.1	Provide menu on phone that allows user to navigate to the different features of Mr. Bear app	2.1		Incomplete
2.2.2.1	Display info about a building, with data including ???	2.2		Incomplete
2.3.2.1	Provide simple building identifier feature that makes matching buildings easy for user	2.3		Incomplete
2.4.2.1	Provide building search engine feature that makes it easy for user to search a building by text (using both name and building code)	2.4		Incomplete
2.4.2.2	Send text search to server periodically while user is typing, autoupdating results as server responds	2.4		Incomplete
3.1.2.1	Send image from camera to server as user is viewing world through the Mr. Bear app	3.1		Incomplete
3.1.2.2	Display names of buildings on camera viewer when server sends back building matches	3.1		Incomplete