Brock Butler Use Case Specification
UC–MAP04 Calculate User Location
Date Modified: 02/05/2013
Version: 1.0

Revision History

Date	Version	Change	Author
02/05/2013	1.0	Initial Draft	Thomas Nelson

Table of Contents

1. **Use Case Narrative**

Name	Description	
Brief Description	Users location is estimated using wireless signal strength and a location table	
Preconditions	- System needs the users location - Wi-Fi is available	
Post-Conditions	- Location is estimated - Position is returned to the system	
Triggers	System requests the users location	
Flow of Events	Basic Flow	
	1	System requests user location (UC-MAP01)
	2	Systems gathers wireless signal strength from available routers - Alternate Flow A
	3	System generates current location from router signals - Alternate Flow B

		- Alternate flow C
	4	Return position coordinates to system (UC-MAP01)
Alternate Flow	Alternate Flow A: Wi-Fi not available or less than 3 routers	
	A1	Return failure condition
	Alternate Flow B: Multiple locations returned	
	B1	Select location nearest to previous location
	Alternate Flow C: No locations Returned	
	C1	Return failure condition

2. **Use Case Sign-off**

Name	Approval Status
Matthew Menonkariyll	
James Grisdale	
Taras Mychaskiw	