

**Brock Butler Use Case Specification**  
**UC-MAP02 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

**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 Menonkariyil	
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