

Brock Butler Use Case Specification
UC-MAP04 Calculate Navigation Route
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	Navigation Route is calculated using wireless signal strength and a location table
Preconditions	- System needs the navigation route - Wi-Fi is available
Post-Conditions	- Route is calculated - Position is returned to the system
Triggers	System requests the users location
Flow of Events	Basic Flow
	1 System requests navigation route (UC-MAP03)
	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
	System generates destination position - Alternate Flow D
	System calculates route between position and destination - Alternate Flow E
	4 Return route coordinates to system (UC-MAP03)
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
	Alternate Flow D: Destination does not exist	
	D1	Return failure condition
	Alternate Flow E: Route is not calculated	
	E1	Return failure condition

2. Use Case Sign-off

Name	Approval Status
Matthew Menonkariyil	
James Grisdale	
Taras Mychaskiw	