

AR Map 2Go!

Requirement Traceability Matrix (RTM)

By

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Document History

Document Name	Version	Status	Date	Viewable	Reviewer	Responsible
Documents						
AR Map 2GO!_SRS_1.0a	AR Map 2GO!_RTM <ul style="list-style-type: none"> SRS Outline Introduction and Background Feature 	Initial Version	24-06-2016	PP, JH	PP	PP
AR Map 2GO!_SRS_1.0b	AR Map 2GO!_RTM <ul style="list-style-type: none"> Software scope Functional Requirement Use Case Diagram & Description Requirement Specification 	Reviewed	29-06-2016	PP, JH	PP	PP
AR Map 2GO!_TRM_1.1	AR Map 2GO!_RTM <ul style="list-style-type: none"> Update SRS 	Reviewed	09-08-2016	PP, JH	PP	PP

***PP = Parun Pichaiwong**

***JH = Jayakrit Hirisajja**

Table of Contents

Chapter One Introduction.....	4
1.1 Purpose.....	4
1.2 Scope.....	4
1.3 Objectives.....	4
1.4 Dependency Document	5
1.5 Acronyms	5
Chapter Two Requirement Traceability.....	6

Chapter One | Introduction

1.1 Purpose

The purpose of the Requirement Traceability Matrix Record document is for presenting the relation of overall project. The traceability is linked between the user requirement specification with the software requirement specification, use case, activity diagram, sequence diagram, related class, database design and testing.

1.2 Scope

The Requirement Traceability Matrix Record document is traced the user requirement at the beginning until system complete. It is traced to verification and validation of user requirements that linked between the software requirement specifications, software document design and test plan. The RTM is a technique to help to analysis the effective cost, system relation, change management and overall management as well. Moreover, RTM can manage a lots of requirement of large system, consistency, the AR Map 2Go! project contained a lots of user requirements so the RTM become a good solution.

1.3 Objectives

The objectives of this document to ensure the software quality that the system delivered.

- verification and validation of user requirements that linked between the software requirement specifications, software document design and test plan.
- analysis the effective cost, system relation, change management and overall management as well Identify testing task.

Document Name	AR Map 2Go!_TRM_1.1.docx	Owner	PP	Page	4 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

1.4 Dependency Document

- Software Project Management plan 1.1
- Software Requirement Specification version 1.1
- Software Design document version 1.1
- Test Plan version 1.0
- Test Record version 1.0b

1.5 Acronyms

URS = User Requirement Specification
 SRS = Software Requirement Specification
 SDD = Software Design Document
 AD = Activity Diagram
 SD = Sequence Diagram
 GUI = Graphic User Interface
 UTC = Unit Test Case
 TC-S = System Test Case
 TR-S = System Test Record

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	5 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

Chapter Two | Requirement Traceability

2.1 User Requirement Specification with Software Requirement Specification (URS&SRS)

N o.	System Require ment Specific ation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22
1	SRS-01																						
2	SRS-02																						
3	SRS-03																						
4	SRS-04																						
5	SRS-05																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	6 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

6	SRS-06																					
7	SRS-07																					
8	SRS-08																					
9	SRS-09																					
10	SRS-10																					
11	SRS-11																					
12	SRS-12																					
13	SRS-13																					
14	SRS-14																					
15	SRS-15																					
16	SRS-16																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	7 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

1 7	SRS-17																					
1 8	SRS-18																					
1 9	SRS-19																					
2 0	SRS-20																					
2 1	SRS-21																					
2 2	SRS-22																					
2 3	SRS-23																					
2 4	SRS-24																					
2 5	SRS-25																					
2 6	SRS-26																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	8 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2 7	SRS-27																					
2 8	SRS-28																					
2 9	SRS-29																					
3 0	SRS-30																					
3 1	SRS-31																					
3 2	SRS-32																					
3 3	SRS-33																					
3 4	SRS-34																					
3 5	SRS-35																					
3 6	SRS-36																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	9 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

3 7	SRS-37																							
3 8	SRS-38																							
3 9	SRS-39																							
4 0	SRS-40																							
4 1	SRS-41																							
4 2	SRS-42																							
4 3	SRS-43																							
4 4	SRS-44																							
4 5	SRS-45																							
4 6	SRS-46																							

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	10 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

4 7	SRS-47																					
4 8	SRS-48																					
4 9	SRS-49																					
5 0	SRS-50																					
5 1	SRS-51																					
5 2	SRS-52																					
5 3	SRS-53																					
5 4	SRS-54																					
5 5	SRS-55																					
5 6	SRS-56																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	11 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

5 7	SRS-57																					
5 8	SRS-58																					
5 9	SRS-59																					
6 0	SRS-60																					
6 1	SRS-61																					
6 2	SRS-62																					
6 3	SRS-63																					
6 4	SRS-64																					
6 5	SRS-65																					
6 6	SRS-66																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	12 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

6 7	SRS-67																					
6 8	SRS-68																					
6 9	SRS-69																					
7 0	SRS-70																					
7 1	SRS-71																					
7 2	SRS-72																					
7 3	SRS-73																					
7 3	SRS-74																					
7 3	SRS-75																					
7 3	SRS-76																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	13 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2.2 User Requirement Specification with Activity Diagram (URS&AD)

N o.	System Require ment Specific ation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22
1	AD-001																						
2	AD-002																						
3	AD-003																						
4	AD-004																						
5	AD-005																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	14 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

6	AD-006																						
7	AD-007																						
8	AD-008																						
9	AD-009																						
10	AD-010																						
11	AD-011																						
12	AD-012																						
13	AD-013																						
1	AD-014																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	15 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

4																						
15	AD-015																					
16	AD-016																					
17	AD-017																					
18	AD-018																					
19	AD-019																					
20	AD-020																					
21	AD-021																					
22	AD-022																					

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	16 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2.3 User Requirement Specification with Sequence Diagram (URS&SD)

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	SD-001																	
2	SD-002																	
3	SD-003																	
4	SD-004																	
5	SD-005																	
6	SD-006																	
7	SD-007																	
8	SD-008																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	17 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

9	SD-009																	
10	SD-010																	
11	SD-011																	
12	SD-012																	
13	SD-013																	

2.4 User Requirement Specification with Class Diagram (URS&CD)

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	CD-01																	
2	CD-02																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	18 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

3	CD-03																	
4	CD-04																	
5	CD-05																	
6	CD-06																	
7	CD-07																	
8	CD-08																	
9	CD-09																	
10	CD-10																	
11	CD-11																	
12	CD-12																	
13	CD-13																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	19 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

14	CD-14																	
15	CD-15																	
16	CD-16																	
17	CD-17																	
18	CD-18																	
19	CD-19																	
20	CD-20																	
21	CD-21																	
22	CD-22																	
20	CD-23																	
20	CD-24																	
20	CD-25																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	20 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

20	CD-26																	
20	CD-27																	
20	CD-28																	
20	CD-29																	
20	CD-30																	
20	CD-31																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	21 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2.5 User Requirement Specification with Database Design (URS&DB)

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	DB-01																	
2	DB-02																	
3	DB-03																	
4	DB-04																	
5	DB-05																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	22 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

6	DB-06																	
7	DB-07																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	23 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2.6 User Requirement Specification with System Test Plan (URS&TC-S)

Mobile Application:

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	TC-S01																	
2	TC-S02																	
3	TC-S03																	
4	TC-S04																	
5	TC-S05																	
6	TC-S06																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	24 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

7	TC-S07																	
8	TC-S08																	
9	TC-S09																	
10	TC-S10																	
11	TC-S11																	
12	TC-S12																	
13	TC-S13																	

Web Application:

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
		Document Name		AR Map 2Go!_RTM_1.1.docx				Owner		PP		Page		25 / 31				
		Document Type		Requirement Traceability Matrix				Release Date		09 August 2016		Print Date		10 August 2016				

1	TC-S14																	
2	TC-S15																	
3	TC-S16																	

2.7 User Requirement Specification with System Test Record (URS&TR-S)

Mobile Application:

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	TR-S01																	
2	TR-S02																	
3	TR-S03																	
4	TR-S04																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	26 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

5	TR-S05																	
6	TR-S06																	
7	TR-S07																	
8	TR-S08																	
9	TR-S09																	
10	TR-S10																	
11	TR-S11																	
12	TR-S12																	
13	TR-S13																	
14	TR-S14																	
15	TR-S15																	
16	TR-S16																	
17	TR-S17																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	27 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

18	TR-S18																	
19	TR-S19																	

Web Application:

No.	System Requirement Specification	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17
1	TR-S20																	
2	TR-S21																	
3	TR-S22																	

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	28 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

2.8 User Requirement Specification with System Interface (URS&GUI)

Mobile Application:

N o.	System Require ment Specifi cation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22
1	GUI-01																						
2	GUI-02																						
3	GUI-03																						
4	GUI-04																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	29 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

5	GUI-05																						
6	GUI-06																						
7	GUI-07																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	30 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016

Web Application:

N o.	System Require ment Specific ation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22
1	GUI-W01																						
2	GUI-W02																						
3	GUI-W03																						
4	GUI-W04																						
5	GUI-W05																						

Document Name	AR Map 2Go!_RTM_1.1.docx	Owner	PP	Page	31 / 31
Document Type	Requirement Traceability Matrix	Release Date	09 August 2016	Print Date	10 August 2016