

Measurement: Requirement Size of HRMS Project

Use case diagrams	
Number of use cases	29
actors	3
relationships of various types	2

Case No	USE Case Metrics		activity diagram elements
	Number of scenarios	size of scenarios	
UC1	2		5
UC2	4		30
UC3	2		28
UC4	1		9
UC5	2		16
UC6	2		12
UC7	1		9
UC8	2		16
UC9	2		12
UC10	2		13
UC11	4		32
UC12	2		20
UC13	1		13
UC14	2		25
UC15	2		25
UC16	2		9
UC20	1		9
UC22	1		17
UC23	3		9
UC24	1		15
UC26	3		9

UC27	1		16
UC29	2		14

Total Use case: 23

Total **scenarios**: 45

Total activity diagram elements: 363

Average Number of scenarios: $(45/23) \approx 2$

Average Number of activity elements: $(363/23) \approx 16$