□ Task	Effort	2011	May 2011	Jun 2011	Jul 2011	Aug 2011	Sep 2011	Oct 2
▼ 1) Code Style Documentation and Training	9.5h				-			
• 1.1) Choose coding style	1h			Archite	ect			
 1.2) Document coding style 	0.5h			Archite	ect			
• 1.3) Train team in Javadoc	4h			Archit	ect; Developer A	; Developer B		
• 1.4) Train team in Junit	4h			Archi	tect; Developer	A; Developer B		
▼ 2) Maven	6h							
 2.1) Train domain expert 	5h			Dev	eloper B			
 2.2) Verify skeleton follows good practices 	1h			De	veloper B			
▼ 3) Jenkins Integration	1h							
 3.1) Contact Eday and arrange Jenkins building of skeleton 	1h			De	eveloper A			
▼ 4) User Documentation	15h							
 4.1) Train Sphinx domain expert 	6h				Developer B			
 4.2) Contact Sponsor and determine how user documentation will be delievered 	1h			Q Deve	loper A			
 4.3) Write narrative user documentation 	8h					Developer B; A	rchitect; Develo	per A
▼ 5) Research and Design	> 33h							
▼ 5.1) Async Model	11h							
• 5.1.1) Research Async in Java	10h	[Dev	eloper A; Archit	ect		
 5.1.2) Decide on Callback vs Futures 	1h	_		A	rchitect			
▼ 5.2) Server Communication	> 10h							
▼ 5.2.1) HTTP	> 8h							
• 5.2.1.1) Research HTTP Libraries	8h	[Arc	chitect			
• 5.2.1.2) Select HTTP Library	> 0h			Ar	chitect			
▼ 5.2.2) JSON	> 2h							
 5.2.2.1) Research JSON Libraries 	2h				Developer B			
• 5.2.2.2) Select JSON Library	> 0h				Architect			
 5.3) Design interface of blocking API 	8h				Develope	r A		
 5.4) Adapt blocking interface for Async use 	4h			↓	Archite	ect		
▼ 6) Implementation and Code Documentation	77h							
▼ 6.1) Blocking API	50h							
▼ 6.1.1) Memory Backend	12h							
 6.1.1.1) Implement Memory Backend 	8h				Developer A			
• 6.1.1.2) Document Memory Backend	2h				Developer A			
 6.1.1.3) Create Unit Tests for Memory Backend 	2h				Developer A			
• 6.1.2) Implement Blocking Frontend	3h				Developer B			
 6.1.3) Document Blocking Frontend 	4h				Developer B			
 6.1.4) Create Blocking Fronend Unit Test Suite 	8h				Architect; [Developer B		
▼ 6.1.5) Blocking HTTP Backend	12h			1				
• 6.1.5.1) Implement Blocking HTTP Backend	8h				Architect			
 6.1.5.2) Document Blocking HTTP Backend 6.1.5.3) Create Unit Tests for Async HTTP 	2h 2h				Architect Developer A			
Backend 6.1.6) Extend Blocking Frontend to support	3h				Develope	r B		
HTTP • 6.1.7) Jenkins-Run Integration Tests for Blocking API	8h				Archited	ct; Developer A		
▼ 6.2) Async API	27h				#			
▼ 6.2.1) Async HTTP Backend	15h							
• 6.2.1.1) Implement Async HTTP Backend	10h				De	veloper A		
• 6.2.1.2) Document Async HTTP Backend	1h				- €	chitect		
• 6.2.1.3) Create Unit Tests for Async HTTP Backend	4h					rchitect		
• 6.2.2) Implement Async Frontend	2h					Developer B		
• 6.2.3) Document Async Frontend	2h					Developer B		
 6.2.4) Adapt Test Suite to Async Frontend 	8h					Developer A		