

Sprint 1 Plan

Goal:

Familiarize team with existing code base and background materials. Setup development and production environments.

Roles:

Konstantin : Scrum Master, Developer
 Nicholas : GitHub Manager, Developer
 Nathan : Documentation Coordinator, Developer
 David : Communication Coordinator, Developer
 Igor : Test Coordinator, Developer
 Thomas : Research Coordinator, Developer

“Scrum Meetings”:

M/W/F : 11:30AM – 12:00 PM

Task Listing:

As a Developer, I need an architectural overview of OSRA’s processing, so I can understand the code base.	
Generate/Compile Call Tree	3
Review call tree, and map to higher level processes	8
Diagram Processes of OSRA's processing of a Diagram	3
Identify locations for code insertion of other user stories in Process Diagram	5
	19

As a Developer, I need to review each aspect of OSRA’s architecture, so I can understand the code base.	
Code review Higher level processes from Processing Diagram	48
Identify locations for code insertion of other user stories	13
Identify external dependencies	18
	79

As a Developer, I need to get a basic grasp of O-Chem, so I can better understand use cases.	
Review O-Chem Chapter	18
Review Notes	12
Generate Cheat/Reference sheet for diagrams	5
O-Chem - to - SMILES	3
	38

As a Developer, I need workflow and processes for the github repo, so I can collaborate on code	
Organize structure of repo	.5
Designate naming convention for branches and code submission	.5
Create and enforce workflow for pulls/pushes/merges	.5
	1.5

As a Developer, I need a testing environment and test documentation, so I can better contribute to the codebase	
Create template for bug submissions	.5
Create build/test server in windows	5
Create initial test cases	.5
Create Development Workflow	3
	9

As a Developer, I need to have consolidated documentation from other developers, so I can better contribute to the codebase	
Create location for consolidated documentation	.5
Create template for individual's documentation	.5
	1

As a Developer, I need to understand SMILES notation and .SD file structure, so I can design the smile data structure.	
Review .SD File contents	1
Review SMILES notation documentations	3
	4

As a User, I want to have a data structure for encoding polymers in "Smile Notation", so I can work with polymers.	
Create DB Schema	5
Design DB Access Layer	3
Design Object Model	3
	11

Task Assignment:

	USER STORY	TASK
NATHAN	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Review call tree, and map to higher level processes
		Code review Higher level processes from Processing Diagram
	As a Developer, I need to review each aspect of OSRA's architecture, so I can understand the code base.	Identify locations for code insertion of other user stories
		Identify external dependencies
	As a Developer, I need to get a basic grasp of O-Chem, so I can better understand use cases.	Review O-Chem Chapter
		Review Notes
		O-Chem - to - SMILES
	As a Developer, I need a testing environment and test documentation, so I can better contribute to the codebase.	Create Development Workflow
	As a Developer, I need to have consolidated documentation from other developers, so I can better contribute to the codebase	Create location for consolidated documentation
		Create template for individuals' documentation
	As a Developer, I need to understand SMILES notation and .SD file structure, so I can design the smile data structure.	Review SMILES notation documentations
KONSTANTIN	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Review call tree, and map to higher level processes
		Code review Higher level processes from Processing Diagram

	As a Developer, I need to review each aspect of OSRA's architecture, so I can understand the code base.	Identify external dependencies
	As a Developer, I need to get a basic grasp of O-Chem, so I can better understand use cases.	Review O-Chem Chapter
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	As a Developer, I need a testing environment and test documentation, so I can better contribute to the codebase.	Create template for bug submissions
	As a Developer, I need to understand SMILES notation and .SD file structure, so I can design the smile data structure.	Review .SD File contents
		Review SMILES notation documentations
	As a User, I want to have a data structure for encoding polymers in "Smile Notation", so I can work with polymers	Create DB Schema
		Design DB Access Layer
		Design Object Model
IGOR	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Generate/Compile Call Tree
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		O-Chem - to - SMILES
	As a Developer, I need a testing environment and test documentation, so I can better contribute to the codebase.	Create build/test server in windows
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	As a Developer, I need to understand SMILES notation and .SD file structure, so I can design the smile data structure.	Review SMILES notation documentations
	As a User, I want to have a data structure for encoding polymers in "Smile Notation", so I can work with polymers.	Create DB Schema
		Design DB Access Layer
		Design Object Model
DAVID	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Diagram Processes of OSRA's processing of a Diagram
		Code review Higher level processes from Processing Diagram
	As a Developer, I need to review each aspect of OSRA's architecture, so I can understand the code base.	Identify external dependencies
	As a Developer, I need to get a basic grasp of O-Chem, so I can better understand use cases.	Review O-Chem Chapter
		Review Notes

		Generate Cheat/Reference sheet for diagrams
		O-Chem - to - SMILES
NICHOLAS	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Identify locations for code insertion of other user stories in Process Diagram
		Code review Higher level processes from Processing Diagram
	As a Developer, I need to review each aspect of OSRA's architecture, so I can understand the code base.	Identify locations for code insertion of other user stories
		Identify external dependencies
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	As a Developer, I need workflow and processes for the github repo, so I can collaborate on code	Create Development Workflow
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THOMAS	As a Developer, I need an architectural overview of OSRA's processing, so I can understand the code base.	Generate/Compile Call Tree
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Burn Up Chart:

