

Sprint 2 Plan

Goal:

Allow team to learn more about the use of external libraries in use by OSRA, create a first draft of the data model.

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/ F : 11:30AM – 12:00 PM
 W : 11:00AM – 12:00 PM

Task Listing:

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	2
Create initial test cases for current functionality	.5
Create Development Workflow	1
	3.5

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	3
Design Object Model	8
	11

As a Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	
Review implementation of POTRACE in OSRA	4
Brain Storm, and implement methods (Point Density, Detect as character)	54
Present Review of POTRACE Implementation to the rest of the team	2
	60

As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	
Review implementation of OpenBabel in OSRA	4
Brain Storm, and implement methods for submitting segments	33
Present Review of OpenBable Implementation to the rest of the team	2
	39

As a Developer, I need to have a x32 based development environment, so I can modify, compile, and test the application	
Install Cygwin, and all need libraries	3
Find and download all external libraries	1
Configure and compile	2
Install and Configure Eclipse	4
	10

Task Assignment:

	USER STORY	TASK
NATHAN	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 Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Review implementation of POTRACE in OSRA
		Brain Storm, and implement methods (Point Density, Detect as character)
		Present Review of POTRACE Implementation to the rest of the team
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Brain Storm, and implement methods for submitting segments
KONSTANTIN	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 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 Object Model
	As a Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Brain Storm, and implement methods (Point Density, Detect as character)
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Review implementation of OpenBabel in OSRA
		Brain Storm, and implement methods for submitting segments
		Present Review of OpenBabel Implementation to the rest of the team

	As a Developer, I need to have a x32 based development environment, so I can modify, compile, and test the application	Install and Configure Eclipse
IGOR	As a Developer, I need a testing environment and test documentation, so I can better contribute to the codebase	Create initial test cases for current functionality
		Create Development Workflow
	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 Object Model
	As a Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Brain Storm, and implement methods (Point Density, Detect as character)
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Brain Storm, and implement methods for submitting segments
DAVID	As a Developer, I need to have a x32 based development environment, so I can modify, compile, and test the application	Install Cygwin, and all need libraries
		Find and download all external libraries
		Configure and compile
		Install and Configure Eclipse
	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 Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Brain Storm, and implement methods (Point Density, Detect as character)
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Brain Storm, and implement methods for submitting segments
	As a Developer, I need to have a x32 based development environment, so I can modify, compile, and test the application	Install Cygwin, and all need libraries

NICHOLAS	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 Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Review implementation of POTRACE in OSRA
		Brain Storm, and implement methods (Point Density, Detect as character)
		Present Review of POTRACE Implementation to the rest of the team
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Review implementation of OpenBabel in OSRA
		Brain Storm, and implement methods for submitting segments
		Present Review of OpenBabel Implementation to the rest of the team
THOMAS	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
		Create Development Workflow
	As a Developer, I need to understand SMILES notation and .SD file structure, so I can design the smile data structure.	Create DB Schema
		Design Object Model
	As a User, I want to have a data structure for encoding polymers in "Smile Notation", so I can work with polymers	Review .SD File contents
		Review SMILES notation documentations
	As a Developer, I need to research possible methods for detecting parenthesis, so I can find the best way to implement parenthesis	Brain Storm, and implement methods (Point Density, Detect as character)
	As a Developer, I need to research methods for submitting end and repeating groups for smile conversion, so I can know how to generate SMILES for different segments	Brain Storm, and implement methods for submitting segments
	As a Developer, I need to have a x32 based development environment, so I can modify, compile, and test the application	Install Cygwin, and all need libraries
		Find and download all external libraries
		Configure and compile
		Install and Configure Eclipse

MATHEW	As a User, I want to have a data structure for encoding polymers in "Smile Notation", so I can work with polymers	Design Object Model
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Burn Up Chart: