
COMP4339 – Software Analysis & Design

Bioinformatics Algorithms – Online Tool User Stories

Version 1.0

Project Title: Bioinformatics Algorithms – Online Tool	Version: 1.0
User Stories	Date: 10/12/2016
Acronym: BIOALGOT	

Revision History

Date	Version	Description	Author
10/12/2016	1.0	Tool that will provide bioinformatics algorithms for processing of biological data and some other techniques as mapping of the genes and similar.	Medina Colic

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Instructions on Answering Questionnaire

How to fill in the user stories: A story should be the product of a conversation involving several people. A business analyst talks to a business stakeholder¹ about the feature or requirement, and helps them to frame it as a story narrative. Then a tester helps define the scope of the story – in the form of acceptance criteria – by determining which scenarios matter and which are less useful. A technical representative will provide a ballpark estimate of the amount of work involved in the story, and to propose alternative approaches. Many great ideas for systems come from the people developing them as well as the people who asked for them in the first place.

General Information: Fill in the following tables with the role of:

“As a <role played>, I want to <goal or desire> so that <reason or benefit>.”

User Story	As an online user, I want easy access to the tool features so that I do not lose time searching for a desired feature(s).
Acceptance Criteria	<ul style="list-style-type: none"> • Clear and neat user interface • Understandable instructions are displayed where necessary

User Story	As an online user, I want to create an account so that I can preview and find the history of my actions when I log in again.
Acceptance Criteria	<ul style="list-style-type: none"> • User Registration • Ask for user's name and email • Save user's information • Create a history storage for each user

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User Story	As a website administrator, I want to have full access to users' accounts, so that I can keep track of storing their activities in the chronological order.
Acceptance Criteria	<ul style="list-style-type: none"> • Access to users' information • Access to database configuration • Create user history if user account exists • Cannot create user history if user does not create an account

User Story	As a web designer, I want to be provided with the tool's explanations and instructions, so that I can create a design appropriate for it.
Acceptance Criteria	<ul style="list-style-type: none"> • Tool requirements need to be specified • Design Brainstorming based on the requirements • Web design skills in order to complete the task

User Story	As a front-end developer, I need the necessary information about the purpose of the tool, and functions it will perform, so that I can develop asked.
Acceptance Criteria	<ul style="list-style-type: none"> • Tool purpose stated clearly • Necessary Algorithms Collection to bring the tool in function • Coding skills in order to write the algorithms and other necessities

User Story	As a web developer, I need information about how users will use the system, so that I can create the suitable back end for it.
Acceptance Criteria	<ul style="list-style-type: none"> • User information access • Database and Server information to establish the connection between user and system • Scripting languages knowledge in order to establish the system and connection

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User Story	As an IT manager I want the access to whole system, so that I can keep the system maintained.
Acceptance Criteria	<ul style="list-style-type: none"> • Access to servers to follow the execution of process • Monitor and report on website performance • Ensure domain and hosting activities

User Story	As a system management team, we want reports from each expert working on the system, so that we can oversee the whole project.
Acceptance Criteria	<ul style="list-style-type: none"> • Access to everyone's work • Managing whole system • Observing the system's performance • Consulting operating, stuff, technology and other costs • Propose changes and updates within the system

User Story	As a biologist, I want to cooperate with coders, so that we can develop algorithms that will have biological significance.
Acceptance Criteria	<ul style="list-style-type: none"> • Biological background and knowledge • Intermediate computational skills • Access to users' requirements

User Story	As an executive stakeholder, I want access to project reports, reviews, and management policies, so that I successfully monitor and sponsor the project
Acceptance Criteria	<ul style="list-style-type: none"> • Interest in the outcome of the project • High quality management skills • Responsible for spending resources for the project • New proposal ideas and updates