Team Report

Systems Design And Security PROject

Urszula Talalaj | Ting Guo | Julia Derebecka | Huiqiang Liu

06.12.2019

# Introduction

The objective of the project was to create a software system for an academic publisher. The system would be used for managing the submission, reviewing and publishing of academic articles for the journals operated by the publisher. Users of the publication system include readers, editors, authors and reviewers.

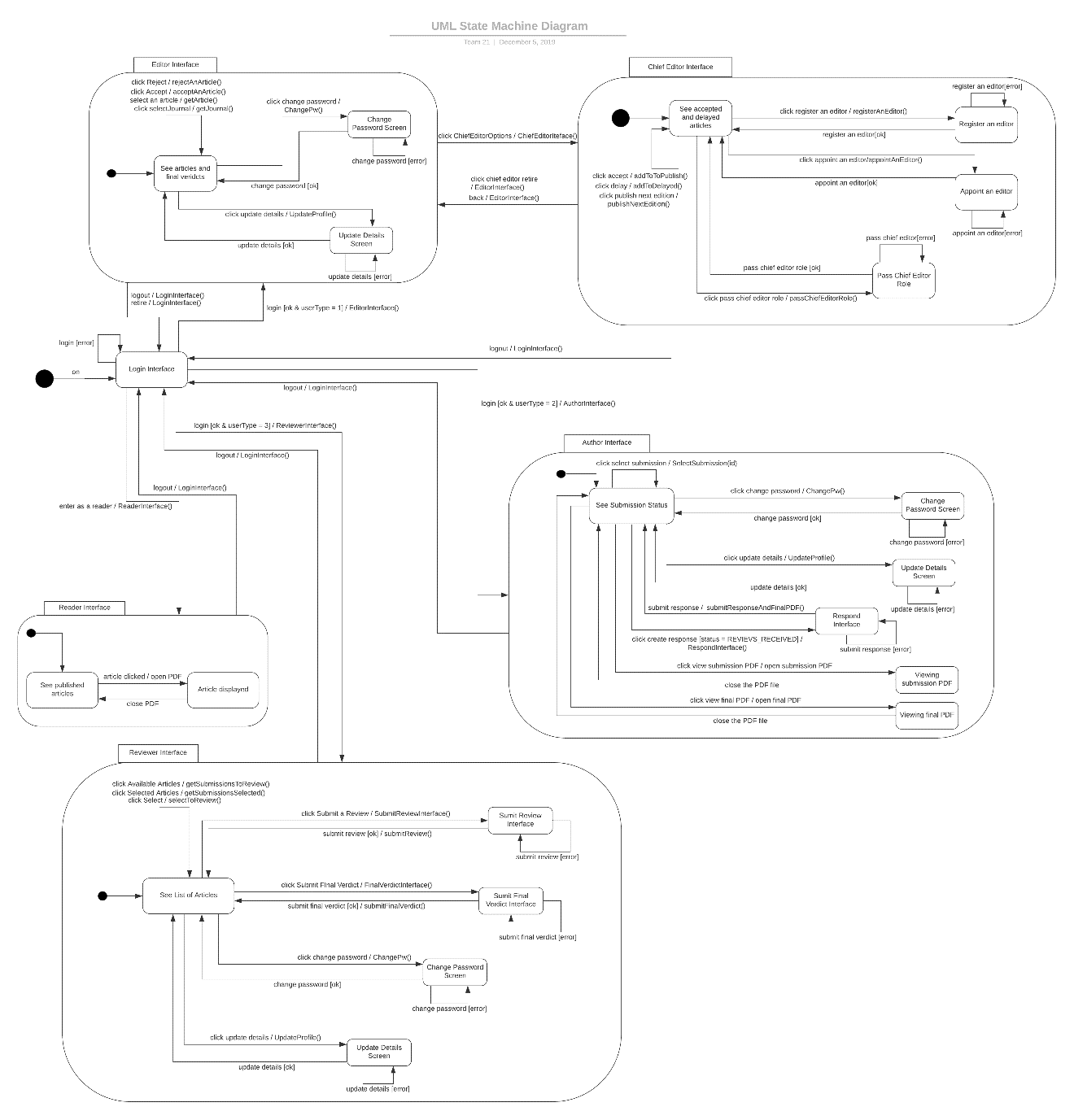
##### Interpretation of the requirements

* Combine the tasks of adding a new journal with a chief editor self-registration.
* Conflict of interest are detected based on the university affiliation of editors, reviewers and authors which is provided by them during the registration or later if their account has been created by someone else. The university affiliation is a name of the institution which the stakeholder has a formal connection with, and it should be supplied correctly and precisely as it is.
* Authors can only respond to the reviews when all three of them had been submitted.
* Answers must be added in such order, so they correspond to the questions.
* Reviewers can review three articles for each submission they have made. When they select an article to review, the counter of remaining articles that need to be reviewed in order to cover the cost of publishing **one of their submissions** decreases. This counter is shared between all authors of the submission. If authors have more than one submission for which they need to cover the cost of publishing, then the counter displayed for them in the reviewer interface is a sum of all their submissions’ counters.
* Reviewers lose their privileges when the last of the three reviewers of the submission submits their final verdict and their counter of remaining articles that need to be reviewed is equal to zero.
* Authors lose their privileges when their only remaining submission is accepted or rejected by an editor.
* Users can log in to one of their roles at a time.
* Once logged in, users can change their password or update their details which requires supplying the password again.

# UML use case diagram

# UML class diagram of the initial information model

# UML class diagram of the normalised database model



# UML state machine diagram

# Best aspects of our system

# Security features

# Measures of the effort

|  |  |  |
| --- | --- | --- |
| **Team Member** | **Actual Tasks** | **Points** |
| Urszula Talalaj | Database classes and methods, meeting minutes, UML Diagrams |  |
| Ting Guo | Interface classes and methods |  |
| Julia Derebecka | Database classes and methods, UML Diagrams |  |
| Huiqiang Liu |  |  |