

'the-Electronic' publication engine and the Quantum Journals

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Abstract

Quantum Journals website: QUANTUMJOURNALS.COM [<http://QUANTUMJOURNALS.COM>]

TÁMOP 4.1.2.A/1-11/1-2011-0018

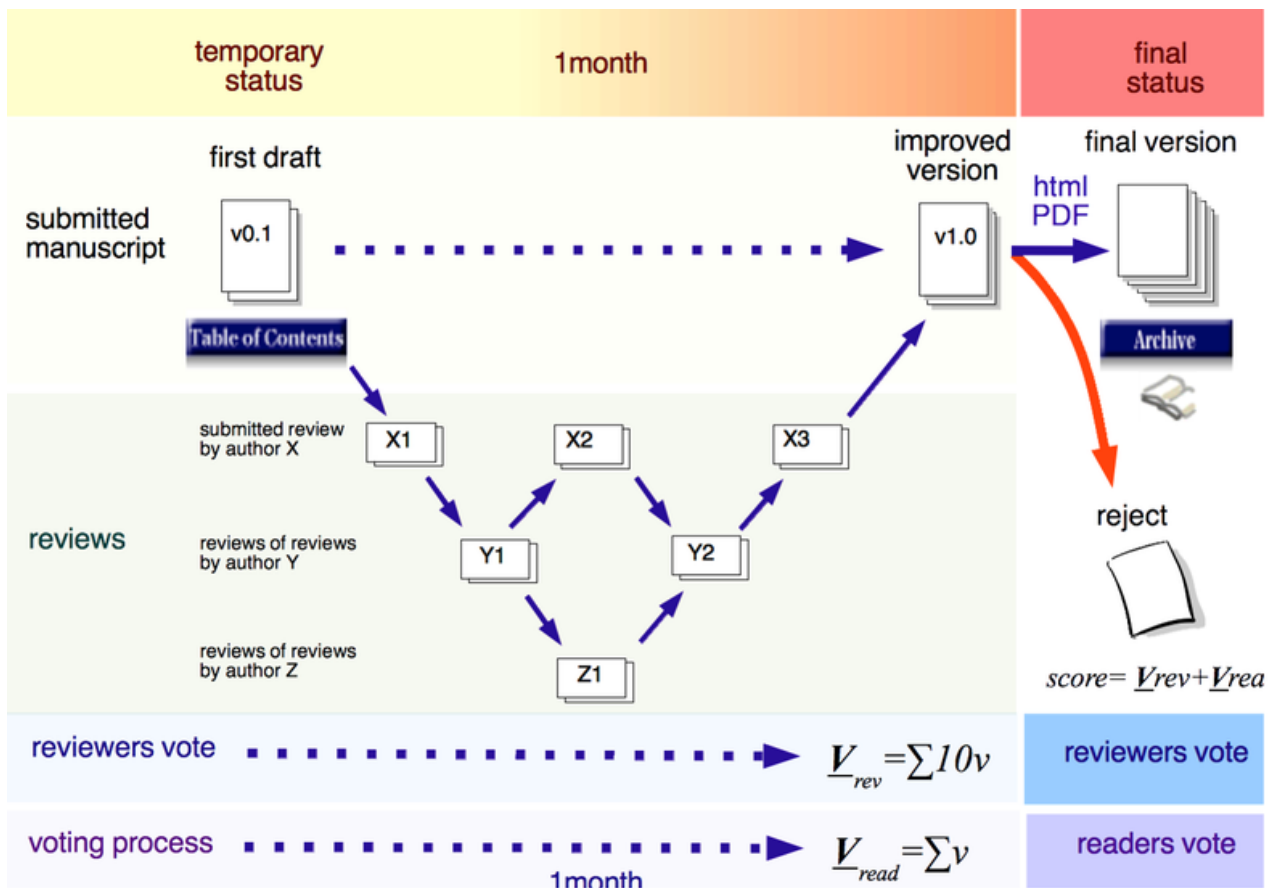
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1. 'the-Electronic' publication engine and the Quantum Journals

Problems with Traditional Publication Practice

- Peer-review: non-transparent, subjective, 2-3 reviewers
- Costly
- Imbalance of labor and profit
- Slow 1-2 years
- Expensive
- Pruned to errors
- No bias prevention mechanism
- Delayed correction
- Copyright is owned by the publisher
- ...



http://89.134.58.1/theelectronics/

Quantum journal of _____

Publish ▾ Browse ▾ Sign out

Archive publications

nadasdy: [Binding by asynchrony: the neuronal phase code](#) ✕

Publications under review

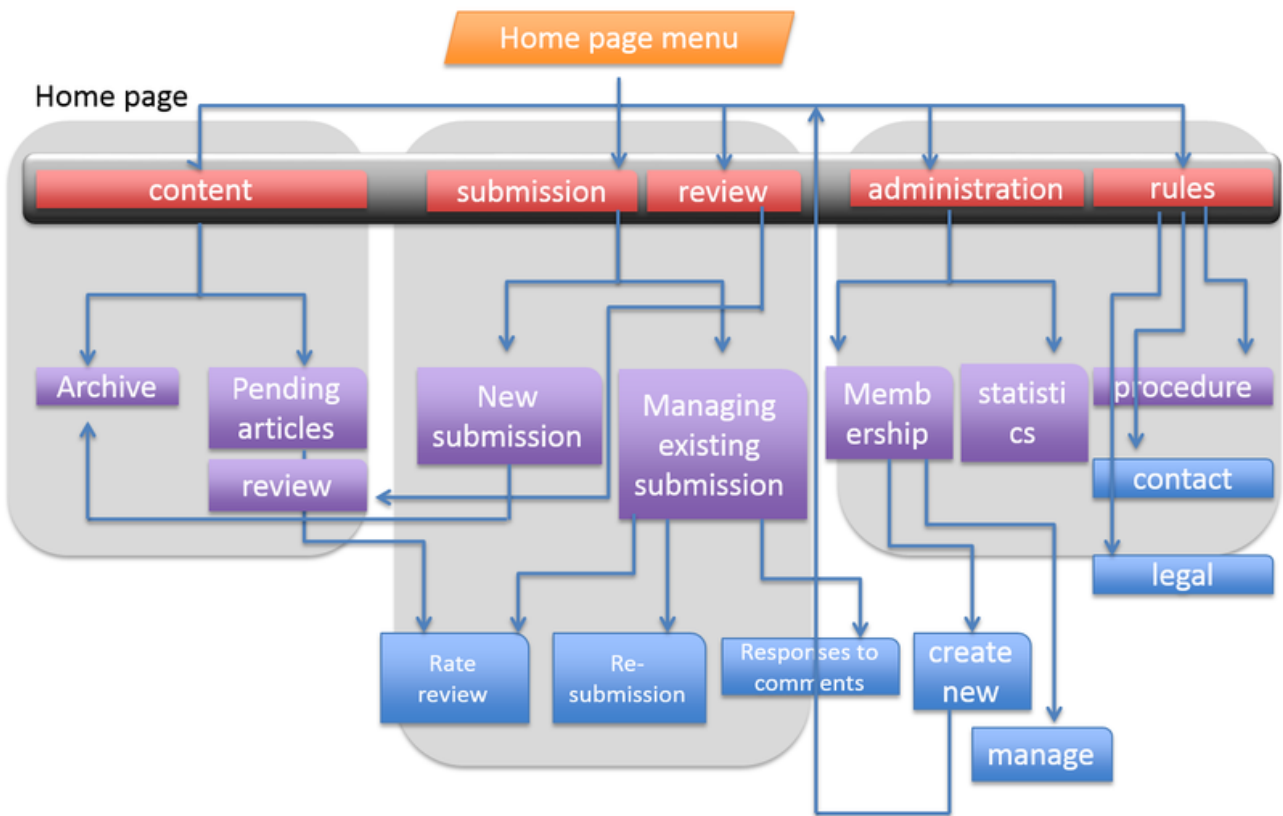
john: [Lorem ipsum dolor sit amet](#) ✕

kricsi14: [Pellentesque facilisis mauris id pellentesque faucibus](#) ✕

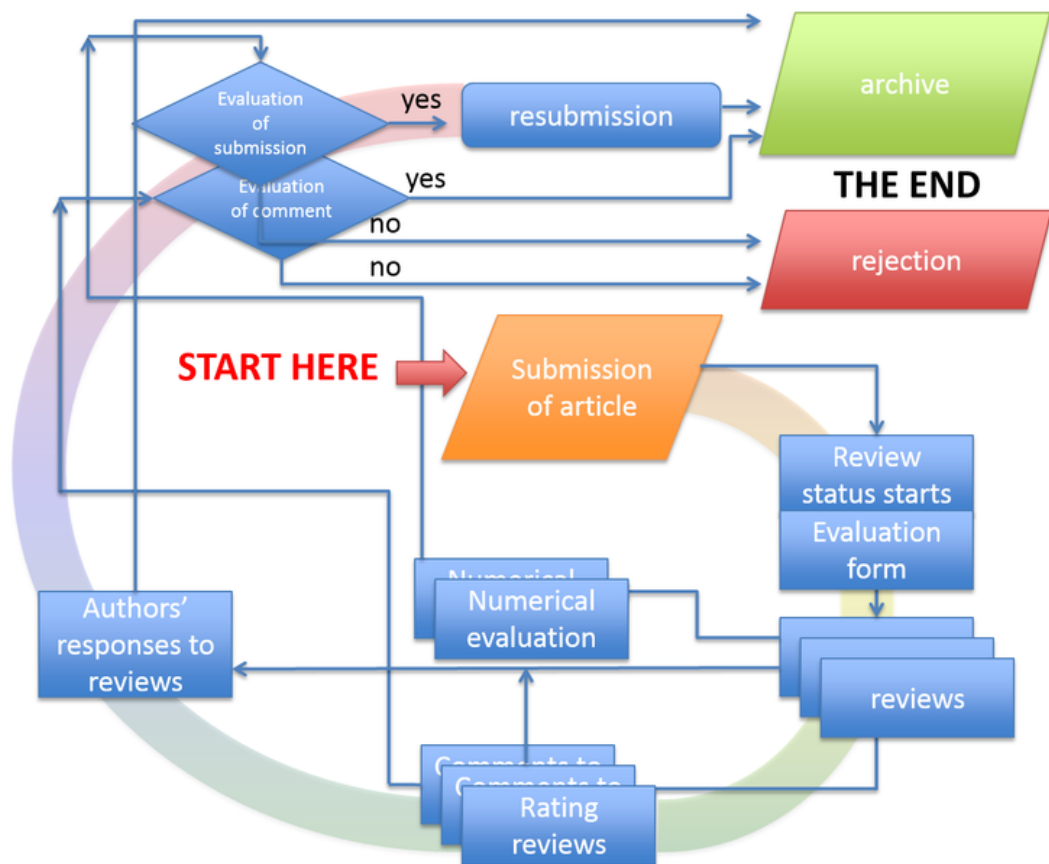
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Data Flow



Editing a new manuscript

Quantum journal of _____ Publish ▾ Browse ▾ Sign out

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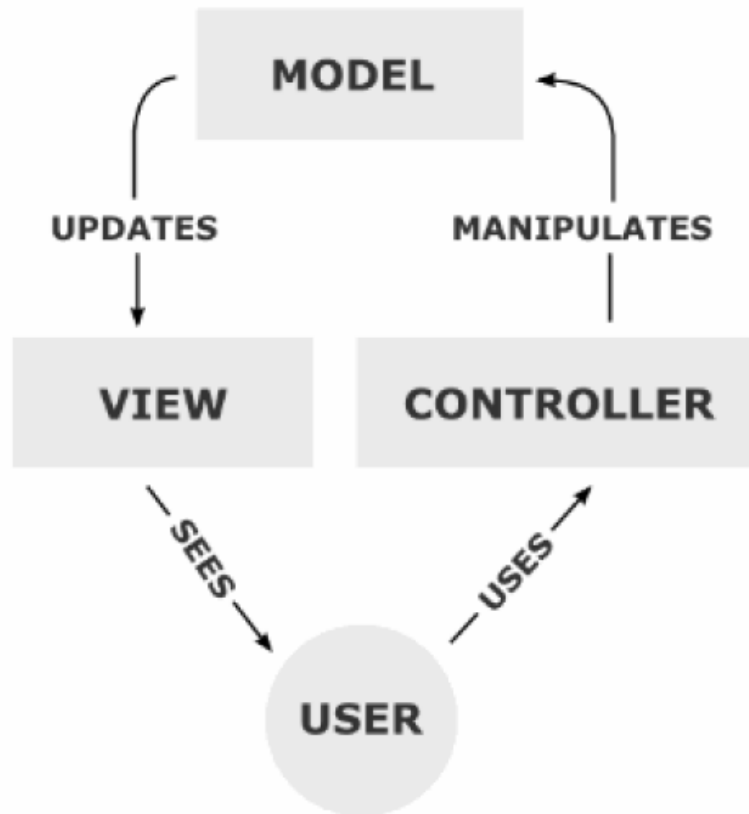
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Recursive commenting of comments and evaluating comments

What else is it good for?

1.1. The Quantum

We are using an MVC pattern for the site. This allows us to provide a separation of concerns between the presentation data and the methods that interact with the data. This creates modularity of the code and allows developers to quickly update, add, or even remove functionality.



Our application has a single entry point, 'index.php', which kicks off application. This is what you are directed to when you travel to our site. It loads all of our models, views, controllers, and libraries. It then calls our bootstrap library which loads the proper controller.

Structure: Overview of current codebase

Models: Business Logic, Data Representation

- Index
- Login
 - Handles user login
- Signup
 - Handles user signup
- Publications
 - Handles retrieval of archive list and under review list from database
- Help

Views: Presentation to user, Report user interactions to controller (mostly HTML)

- Index
 - Displays archives and under review list

- Dashboard
 - Displays dashboard
- Login
 - Displays login screen and forms
- Signup
 - Displays signup screen and forms
- Publications
 - Archives displays archive list
 - Under Review displays under review list
- Header
 - Displays the site header
- Footer
 - Displays the site footer
- Error
 - Displays error messages
- Help
 - Displays help page

Controllers: Handle user interactions, Manipulate Data, Render Views

- Index
 - Retrieves archive list and under publication list
 - Calls render to index
- Dashboard
 - If logged in, displays navbar
 - Handles logout
 - Calls render to dashboard
- Login
 - Calls render to login view
 - Calls run to login model
- Signup
 - Calls render to signup view
 - Calls run to signup model
 - Validates signup information
- Publications
 - Calls render to publication view or archives view
- Error
 - Calls render to error view passing an error message
- Help
 - Calls render to help view

In Development:

- Site replication for various categories
 - analogous to subreddits
- Karma system
- Article Scores
- Search Engine

Készült az Új Széchenyi Terv TÁMOP 4.1.2.A/1-11/1-2011-0018 sz. projektje keretében.

