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|  | WEBAPDE Machine Project |
| BS-CS-ST |
| The Multimedia Terminal |
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**Description**

The Multimedia Terminal aims to provide consumers with a way to find other works of media that might interest them, based on their current interests. The specific objectives of the software are to provide a facility for browsing through different works of media; to provide a facility for reviewing different works; to provide a facility for recommending different works; to provide a facility for providing keywords for different works to associate it with other works; and to provide consumers with recommendations based on provided data.

This website is needed because finding similar interests, regardless of medium, whether same or cross-medium, is currently difficult unless a consumer visits multiple sites dedicated to the medium s/he wants to explore. The Multimedia Terminal allows the consumers to easily see what other people are recommending or how key ideas in their interests can be connected to similar works in other forms of media.

The site’s process begins with the user. Any user can search the site for a work. If the work is not in the database, they may fill out a form to propose it to the site. The administrators then review each proposal and, if valid, add it to the database.

After works have been added to the database, registered users may now rate, review, and favorite these works. Adding a work to one’s favorites allows the site to give “taste recommendations” which are collective recommendations based on the user’s overall taste. Users who violate the terms and conditions of conduct of the site may be flagged by an administrator. Users may also recommend similar works or counter-recommend works that they think consumers of the work would dislike. To contribute to the other forms of association being done by the software, they may also add keywords or genres to be verified by an administrator. Regarding the creators of these works, users can also propose to add information about these creators, subject to the verification of the admins.

Finally, any users, whether registered or not, may search the site for works which may be done by genre, form of media, keywords, popularity, or cast/crew/developer team (for video games). This will show the work’s page. They can then view recommendations based on that work alone. Recommendations could be collated or sorted by user recommendation, keyword association, genre association, or creator association. They may also view anti-recommendations, but this will have mostly been determined through user counter-recommendation. This feature is the main crux of The Multimedia Terminal.

**Features**

The following indicates all the possible actions in the site.

Legend:

\* - registered users and admins only

^ - admins only

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| Feature/Function | Description |
| Log-in **\*** | A user (registered, admin) can log in to perform privileged actions. |
| Search the site for various forms of media | A user (casual, registered, admin) can search the site to find media they are looking for. |
| View general recommendations | A user (casual, registered, admin) can view recommendations based off any work to see other works they might like. |
| View counter-recommendations(optional) | A user (casual, registered, admin) can view counter-recommendations based off any work to see other works they will most likely not like. |
| View taste recommendations (optional) \* | A user (registered, admin) can view a general recommendation based on their favorite works to see works that reflect their general taste. |
| Rate a work \* | A user (registered, admin) can give a work a rating to give other users an idea of its quality. |
| Review a work \* | A user (registered, admin) can review a work to give other users a more concrete scale of the works quality. |
| Add a work to their favorites list \* | A user (registered, admin) can add a work to their favorites to keep track of these works and to contribute to their taste recommendations |
| Recommend similar works \* | A user (registered, admin) can recommend a work from another work’s page to suggest other works that people might like as well. |
| Counter-recommend works (optional) \* | A user (registered, admin) can counter-recommend a work from another work’s page to warn other users of works they may not like. |
| Propose a new work \* | A user (registered, admin) can propose a work be added to the database to expand the scope of the database. |
| Add keywords \* | A user (registered, admin) can propose a keyword for a work to further associate it with similar works. |
| Add genres to a work \* | A user (registered, admin) can propose a genre to a work to further associate it with works in the same genre. |
| Add creator data (optional) \* | A user (registered, admin) can propose a creator’s page to further associate that creator’s works with each other. |
| Verify work proposals ^ | An admin can verify proposed works to ensure the integrity of the database. |
| Verify keywords ^ | An admin can verify proposed keywords to ensure the integrity of the database. |
| Verify genres ^ | An admin can verify proposed genres to ensure the integrity of the database. |
| Moderate reviews ^ | An admin can moderate reviews to ensure the civil environment of the site. |
| Flag users ^ | An admin can flag aberrant users to maintain the civil environment of the site. |
| Verify creator data (optional) ^ | An admin can verify a creator’s data to ensure the integrity of the database. |

**Types of Media Supported**

The following is an outline of the types of media supported by The Multimedia Terminal.

A work in general will have a title, keywords, genres, release year, poster/cover art/cover, and a five star rating. It will also have reviews. A work will also have creator data associated with them, but that varies between forms of media.

1. Print
   1. Literature

Books have an author, a publisher, and information on any other editions if available. It may also have word count as an attribute.

* 1. Panel-based
     1. Comics
     2. Manga

Comics and manga will also have a publisher attribute, but will also have an issue/chapter number, volume number, as well as the writer/s and animator/s.

* + 1. Graphic Novels

Graphic novels have similar attributes sans issue number.

1. Non-Print
   1. Film

Movies and television share many similar traits such as writer/s, director/s, cast, crew, and rating, referring to the rating given by a ratings board from content screening.

* 1. Television

Television may have an end date as well as a list of episodes. Each episode has the information a movie has, plus a season/series and episode number.

* + 1. Live-Action
       1. short form
       2. long form
    2. Animated
       1. short form
       2. long form
  1. Video Games

Video Games have a developer company, consoles released on, and video-game specific genres.

* 1. Web Content

Web Content will have a site URL, creator name/s, and may have organization affiliation e.g. YouTube Partner, Explosm, or Channel Awesome.

* 1. Anime

Anime and western animation will have similar attributes with movies and television with the addition of animation studios.

* 1. Music

Music will have band/artist information, album, and recording studio. Its genres will also be different.

* 1. Theater

Theater works will have playwright, and date premiered.