The ***Knowledge Management Pro.7*** is an online application for creating, sharing, and exporting structured knowledge in a collaborative environment. It revolves around **knowledge cards**, which can contain LaTeX-formatted text, figures with captions, and associated metadata. Users organize these cards into thematic **knowledge collections**, which can be shared, exported, or archived. Additionally, the tool includes bibliography management and collaboration features. This application is a complete solution for organizing, sharing, and exporting knowledge, making it a must-have tool for teams in academia and beyond.

Key Features

Thematic Knowledge Collections:

- Admins create themes to group related knowledge.
- Users build collections by adding cards to these themes, ensuring organized and easy-to-navigate content.

Knowledge Cards:

Each card consists of:

- LaTeX content for advanced formatting (e.g., equations,..).
- Optional figures with captions for visual context.
- Zip archive with selected files.
- Users can attach references, enabling citation tracking.

Export Options:

Knowledge collections can be exported as:

- **LaTeX projects**: Ready-to-edit files for Overleaf or local editors.
- **Zip archives**: Including LaTeX files, figures, BibTeX databases, and supporting assets for offline use.

Collaboration and Sharing:

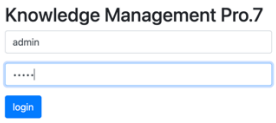
Knowledge collections can be:

- **Private**: Available only to the creator.
- **Shared**: Accessible to coworkers within the user's workspace.

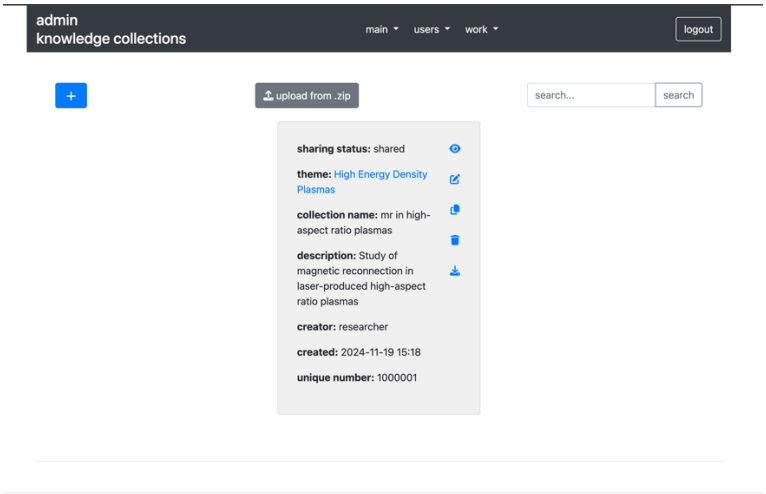
Shared collections allow:

- Collaboration on large projects.
- Knowledge transfer between teams or departments.
- Visibility and reuse of existing cards for faster knowledge building.

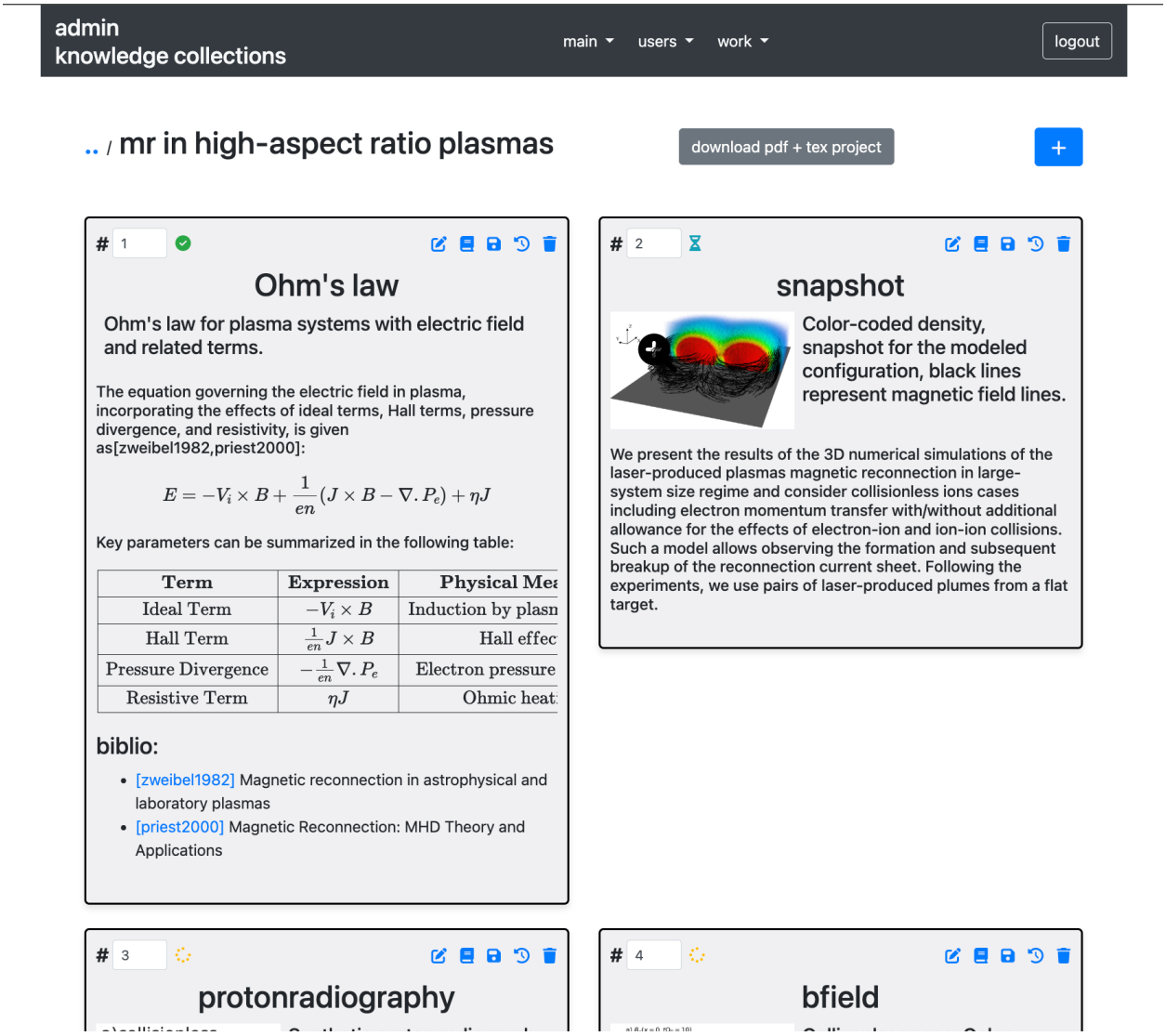
main pages description



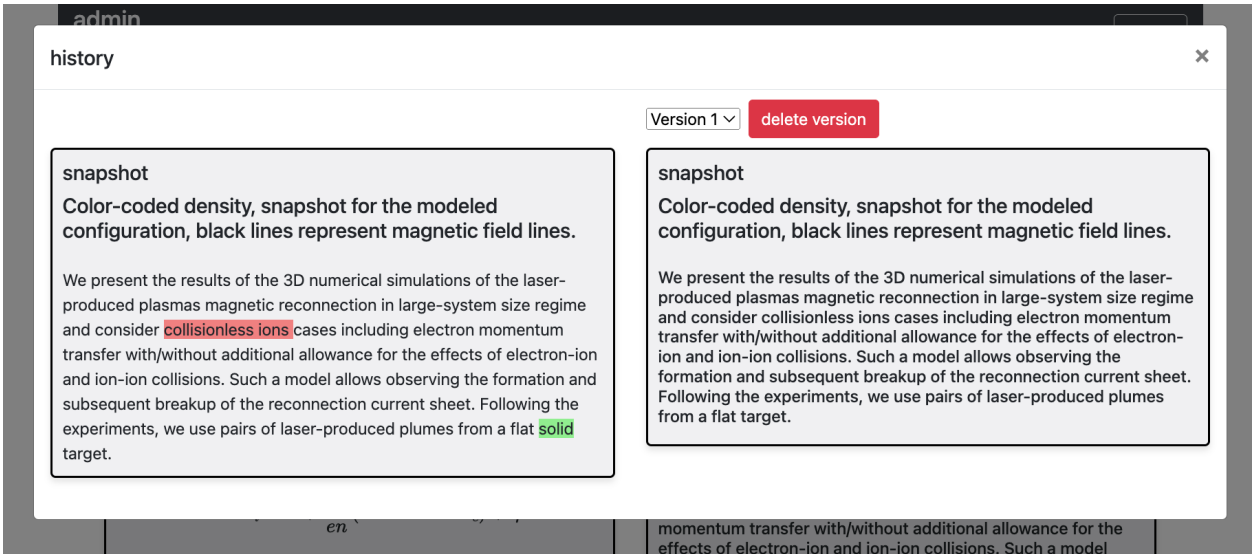
Login page serves as the entry point for authenticated access to the application.



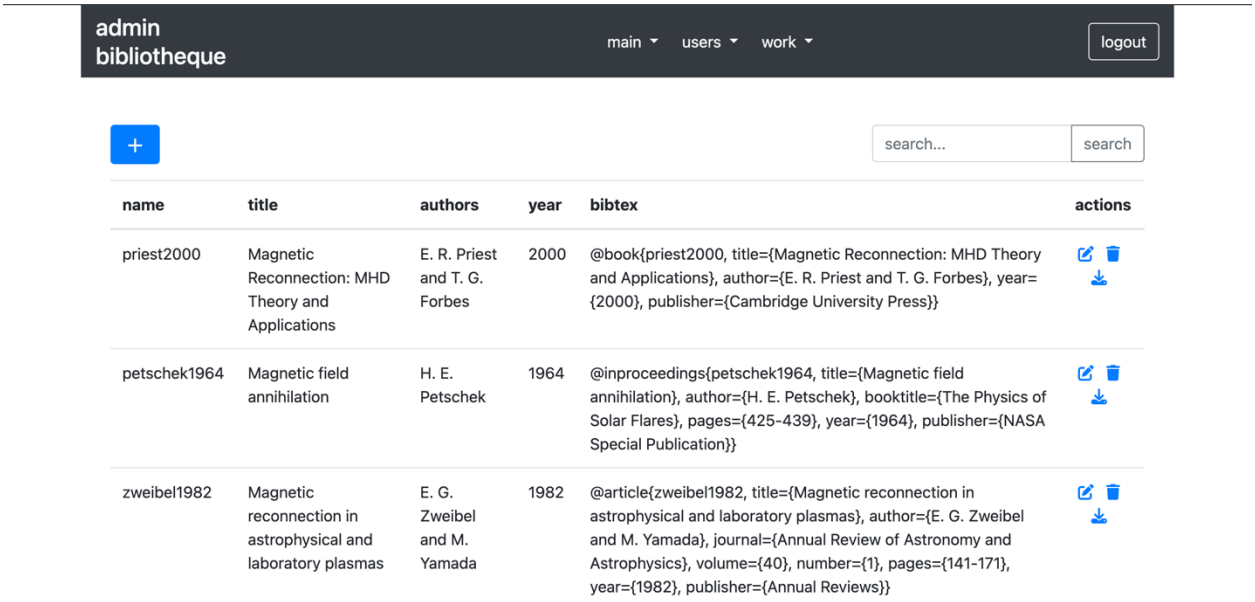
the "knowledge collections" space within the Knowledge Management Pro.7 application, providing an overview of an organized collection of knowledge resources. A specific collection is displayed with metadata such as its sharing status (shared), theme ("High Energy Density Plasmas"), collection name, description, creator, creation date, and a unique identifier. Users can perform actions like viewing, editing, copying, deleting, or downloading the collection, and the interface includes options to upload new collections (e.g., via .zip files), search existing collections, or create new ones using a prominent "+" button.



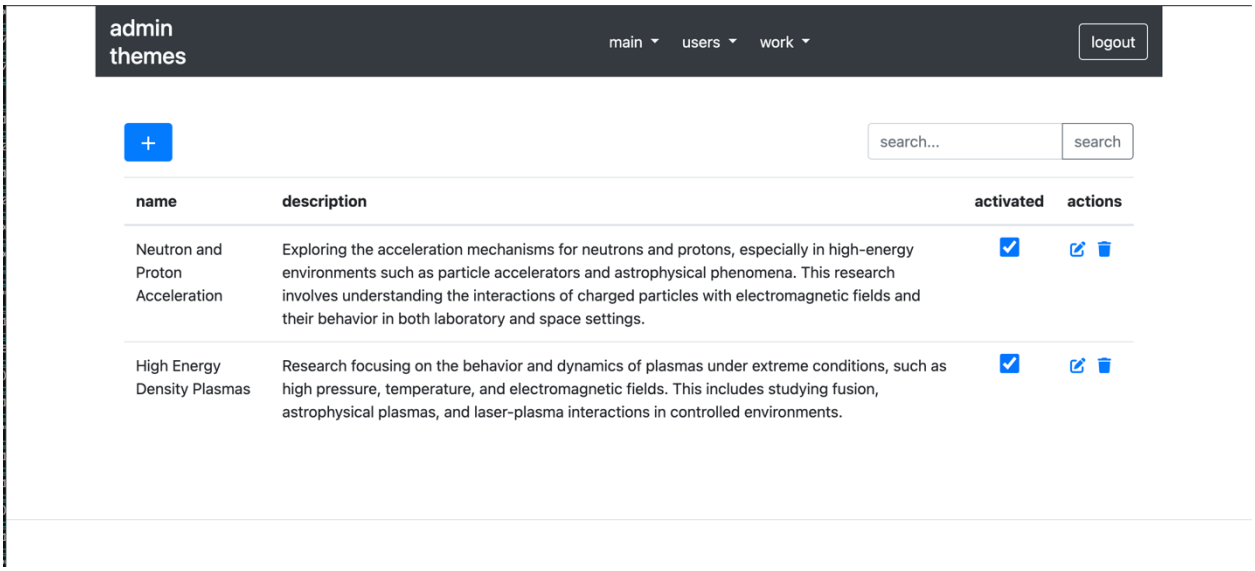
The collection has a two-column representation referring to the classic paper style.
The screenshot display the detailed view of a specific collection titled "mr in high-aspect ratio plasmas". The "snapshot" item illustrates a 3D simulation of plasma density and magnetic field lines, focusing on the formation and breakup of the reconnection current sheet in laser-driven plasma experiments. Ohm's law card shows the possibility to add equation, table and bibliography. All items allow editing, deletion, versioning and metadata files management, with a button to download the project in PDF + TeX format.



User can manage versioning of the items.



Owner can manage available bibliography. Each item has bibtex field which contains code inserted in .bib file while exporting knowledge collection to the TEX project. Also, it is possible to attach the pdf file and download it when necessary.



Owner must create themes which allows to group knowledge collections.