Assignment
On
Human-Computer Interaction (HCI) guidelines

[1]website:torrentbd.net

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Contents

Chapter 1

Visual Display Layout:

1.1 Place important items consistently:

"Consistently place important items" is a Human-Computer Interaction guideline emphasizing the importance of maintaining a predictable layout for essential elements within a digital interface. By ensuring that crucial items such as navigation menus, action buttons, or vital information are consistently located across different screens or pages, users can navigate and interact with the system more efficiently.

In my selected website all the important intems are in the front page,e.g trending movies ,chats ,important notice.
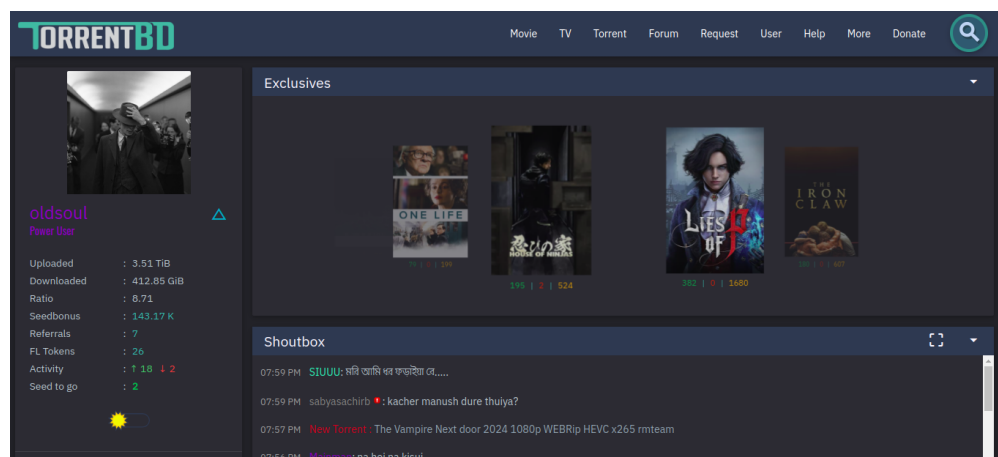

Figure 1.1: items consistency

Points:10/10

1.2 Establish level of importance:

"Establish level of importance" is a guideline in Human-Computer Interaction (HCI) that advises designers to prioritize elements within a user interface based on their significance to the user or the task at hand. This involves identifying and categorizing elements according to their importance, relevance, or frequency of use. In torrent bd ,its not maintaining the level of importance rather its divided into sections.
Points:4/10

1.3 Structure for easy comparison:

"Structure for easy comparison" is a guideline in Human-Computer Interaction that emphasizes organizing information in a manner that facilitates effortless comparison. By arranging data or elements in a clear and structured format, users can quickly identify similarities, differences, or patterns, aiding in decision-making or analysis. In my chosen website similar components are arrange in a same box.
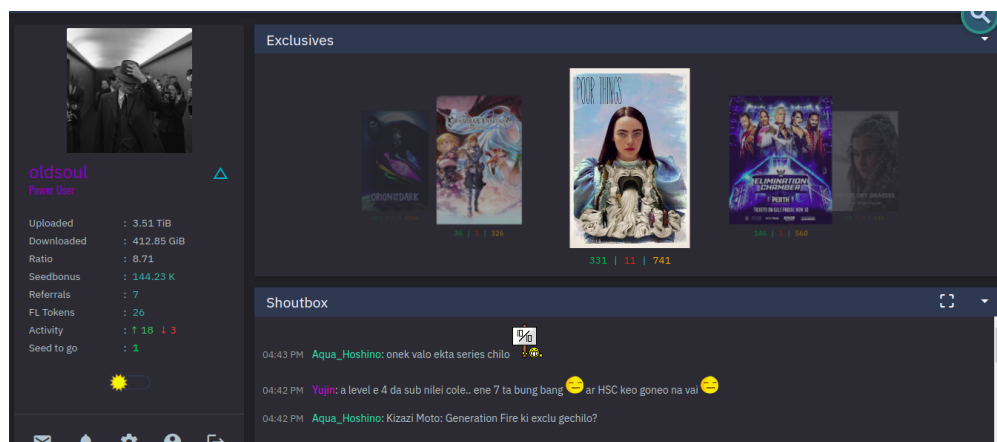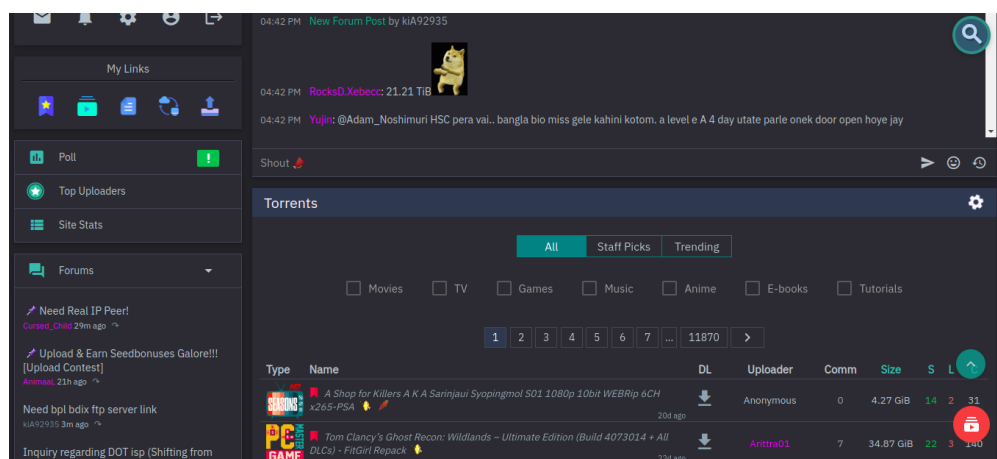

Figure 1.3.0: easy comparison structure

Figure 1.3.1: easy comparison structure

Points:8/10
Form section can be improved with more structured way.

1.4 appropriate line lengths:

- Alternatively, if ensuring user acceptance of the website is the priority, use shorter lines (50 characters per line). This enhances readability and comprehension, making it easier for users to engage with the content.

- For prioritizing reading speed, opt for longer lines (75-100 characters per line). This allows readers to move quickly through the content.

Movie section is a little messy with much characters per-line.This should be improved.

Figure 1.4.0: items consistency

Figure 1.4.1: little messy

Points:7/10

1.5   Buttons:

Use clear and concise labels, and make sure that buttons are large enough to be easily clicked or tapped.
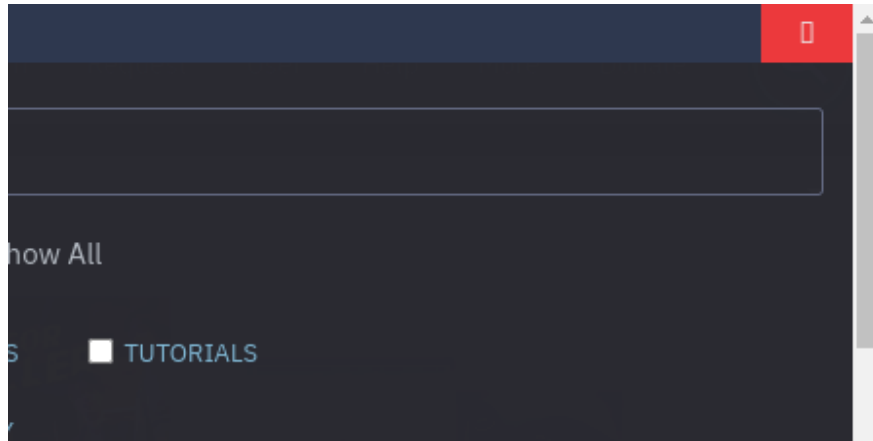In the provided website some button don't show like -

Figure 1.6: Minimal input actions by user

Points:3/10

Chapter 2

Information Structuring and Navigation:

2.1   Minimal input actions by user:

- Proper use of single-key commands.

- Mouse selection.

- Auto-completion features

- Selecting from list

- Use default values

- Avoid switching between keyboard and mouse.

From the perspective of suggested website,mouse selection is good.But there is no auto completion ,for that mouse and keyboard switch can be seen many times.
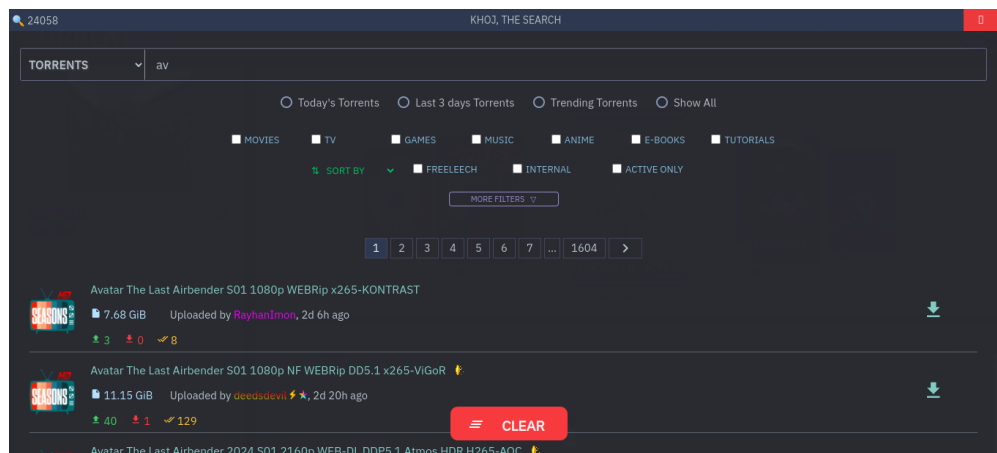

Figure 2.1: Minimal input actions by user

Point:5/10

2.2 Compatibility of data entry with data display:

"Compatibility of data entry with data display" means that the format in which users enter data should closely resemble the format in which that data is displayed.if users are inputting information into a form or interface using specific formatting, such as bold text or bullet points, they should see a representation of that formatting as they enter it.

In torrent bd ,the user can see what he/she searching ,but its not show the boldness in the searching result.
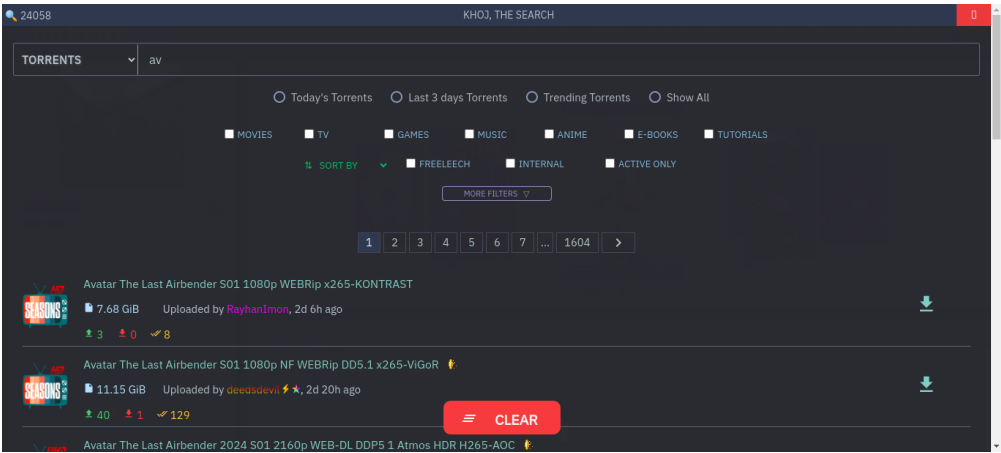

Figure 2.2: Compatibility of data entry

Point: 6.5/10

2.3 Clear and effective labeling of buttons and data-entry fields:

"Clear and effective labeling of buttons and data-entry fields" is a guideline in Human-Computer Interaction (HCI) that emphasizes the importance of providing descriptive and easily understandable labels for interactive elements such as buttons and input fields within a user interface.

In the movie searching section all the data-entry field are nicely labeled.
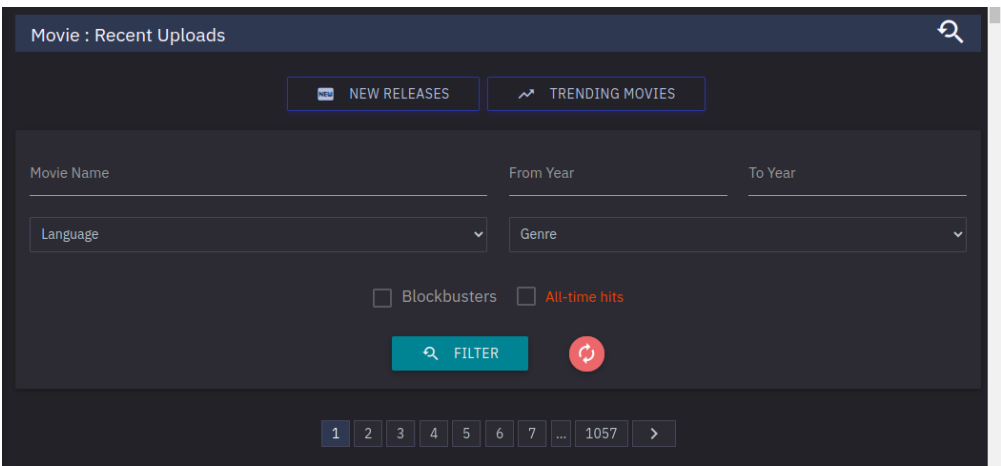

Figure 2.3: Compatibility of data entry

Point: 10/10

2.4 Visibility of system status:

Keep users informed about what is happening with the system, through appropriate feedback within a reasonable time.

In the section of user profile ,a user can see what is happening in his/her profile,total download , upload ,seed bonus & warning.
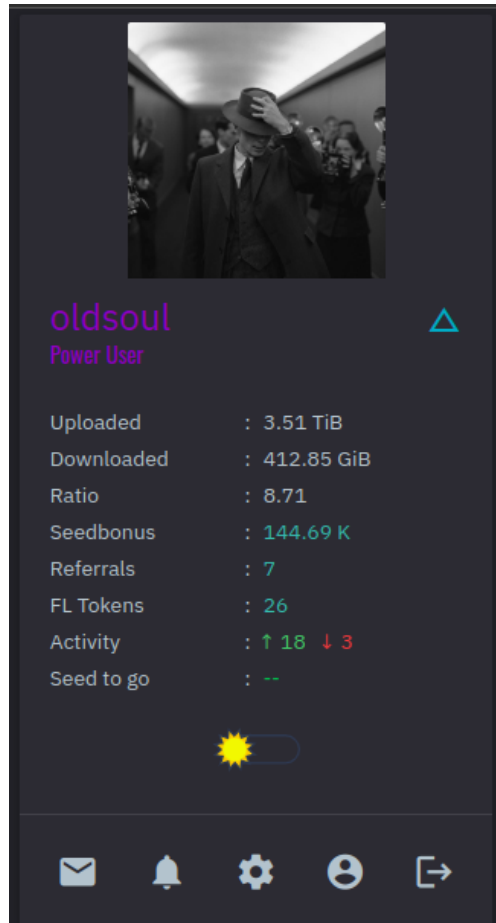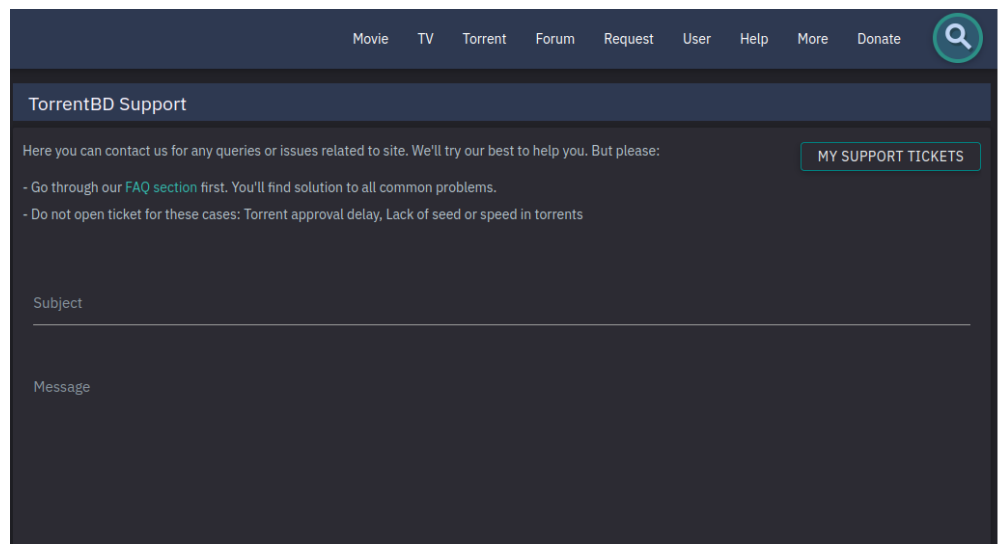

Figure 2.4: Visibility of system status

Point: 10/10

2.5   Documentation and Help:

torrent bd is well documented and had a good reliable helpline.

Figure 2.5: Visibility of system status

Point: 10/10

Chapter 3

User with Disability:

3.1 Perceivable:

For the disable people certain things should be considered like-

- Provide text alternatives for non text content.

- Provide captions and other alternatives for multimedia.

- Create content that can be presented in different ways, including by assistive technologies, without losing meaning.

- Make it easier for user to see and hear content.

In torrent bd all of the above requirement are met.

- Provide text alternatives for non text content.✓

- Provide captions and other alternatives for multimedia.✓

- Create content that can be presented in different ways, including by assistive technologies, without losing meaning.✓

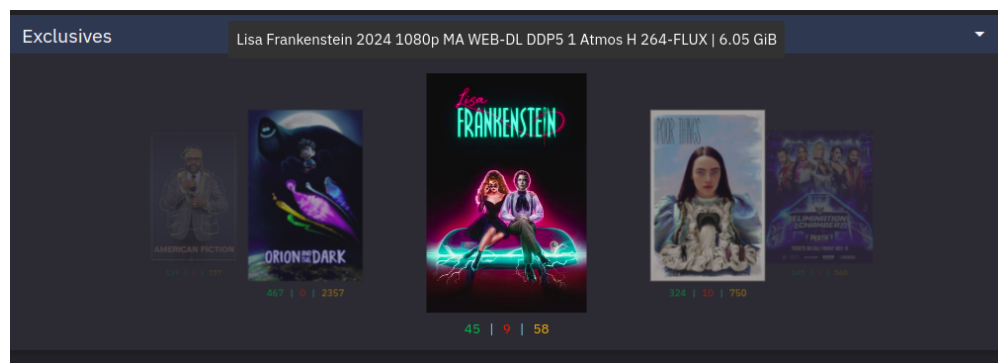- Make it easier for user to see and hear content.✓

Figure 3.1: Perceivable

Point:9/10

3.2   Operable:

- Make all functionality available from a keyboard.
- Give users enough time to read and use content.
- Do not use content that causes seizures.
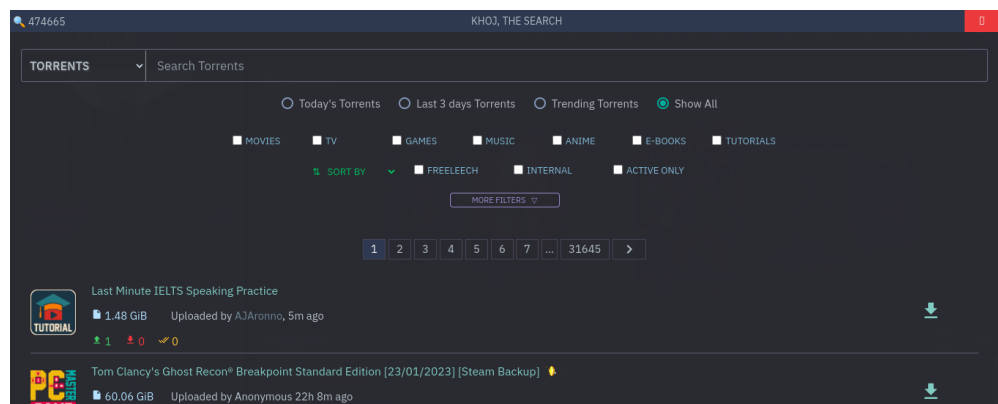- Help users navigate and find content.

From the perspective of torrent bd website these are not meet-

- Make all functionality available from a keyboard.X
- Give users enough time to read and use content.✓
- Do not use content that causes seizures.✓
- Help users navigate and find content.X[3.2.1]

Figure 3.2.1: dead end

Point: 7/10

Chapter 4

Mobile Device:

4.1 Large hit targets:

"Large hit targets on mobile devices" is a guideline in user interface design that emphasizes the importance of making interactive elements, such as buttons and links, sufficiently large and easy to tap on touchscreen devices like smartphones and tablets.

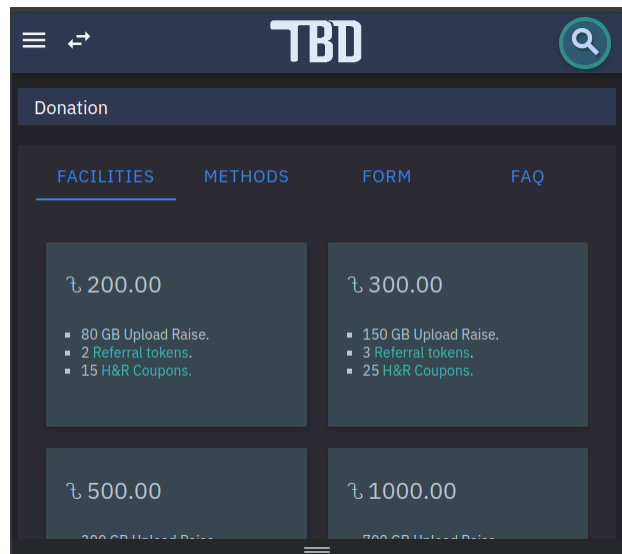From the mobile device perspective,torrent bd has large buttons, interactive elements etc.
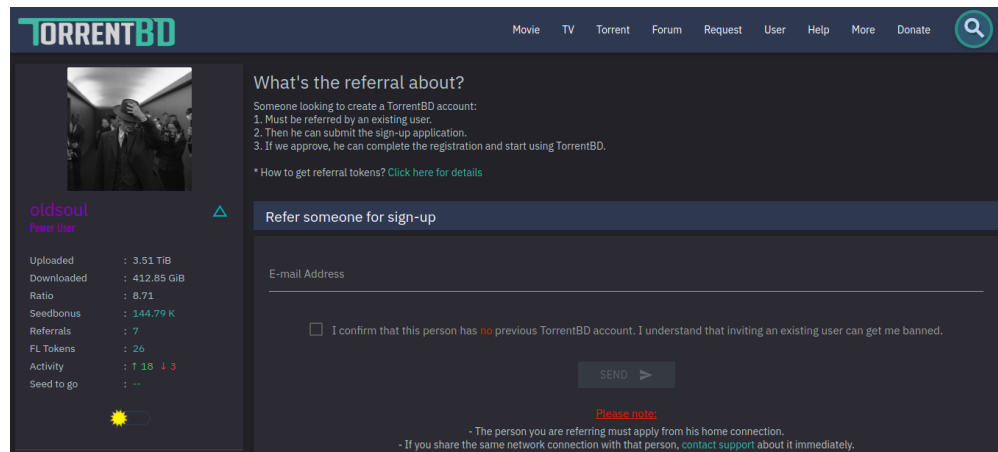

Figure 4.1: Large hit targets

Point: 10/10

Chapter 5

Security and Privacy:

5.1 Implement authentication and authorization:

As a user can only open an account ,when another verified user referred him/her.This ensures tight security and valid users.

Figure 4.1: authentication and authorization

Point: 10/10

References

1. Torrentbd. Images Retrieved from `https://www.torrentbd.net/`

2. GeeksforGeeks. Guidelines in Human-Computer Interface (HCI). Retrieved from `https://www.geeksforgeeks.org/guidelines-in-human-computer-interfacehci/`