

Module IHM

3ème Année Licence

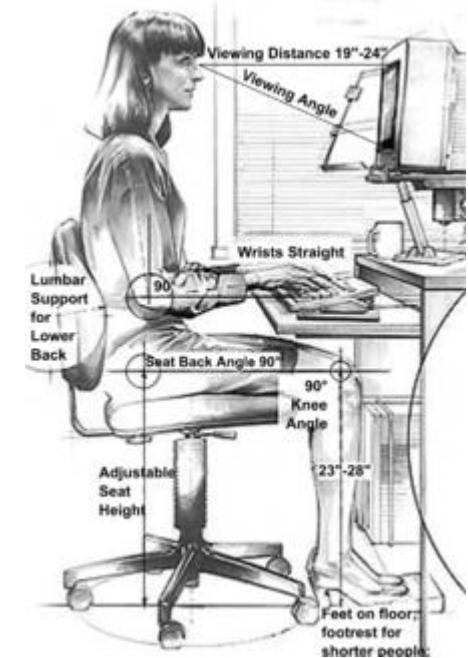
5



IHM



Ergonomic criteria



PART

1

Bastien & Scapin Ergonomic criteria

Rappelle

Bastien & Scapin Ergonomic criteria

1. Guidance

2. Workload

3. Explicit control

4. Adaptability

**5. Error
management**

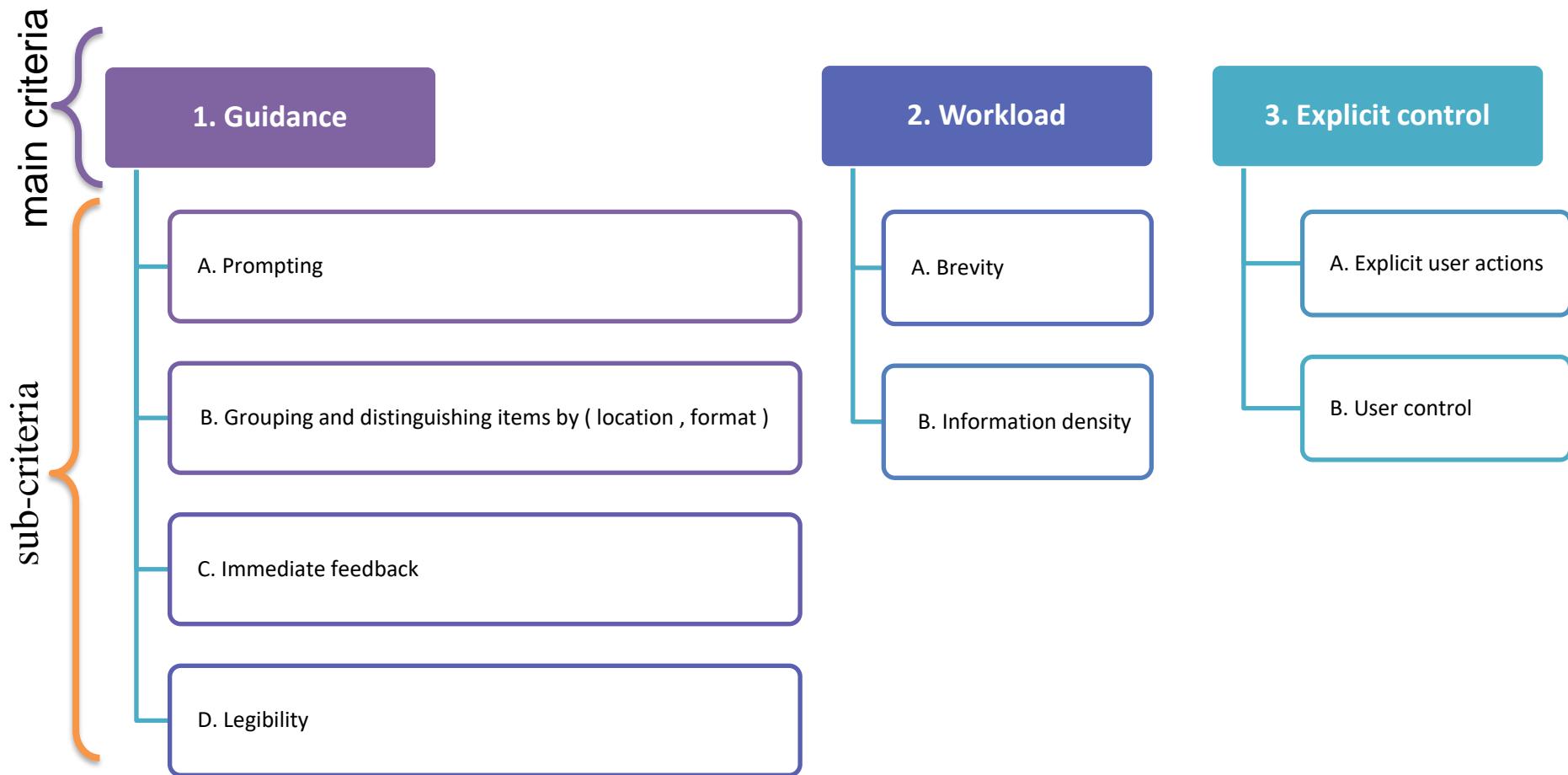
6. Consistency

**7. Significance of
codes**

8. Compatibility

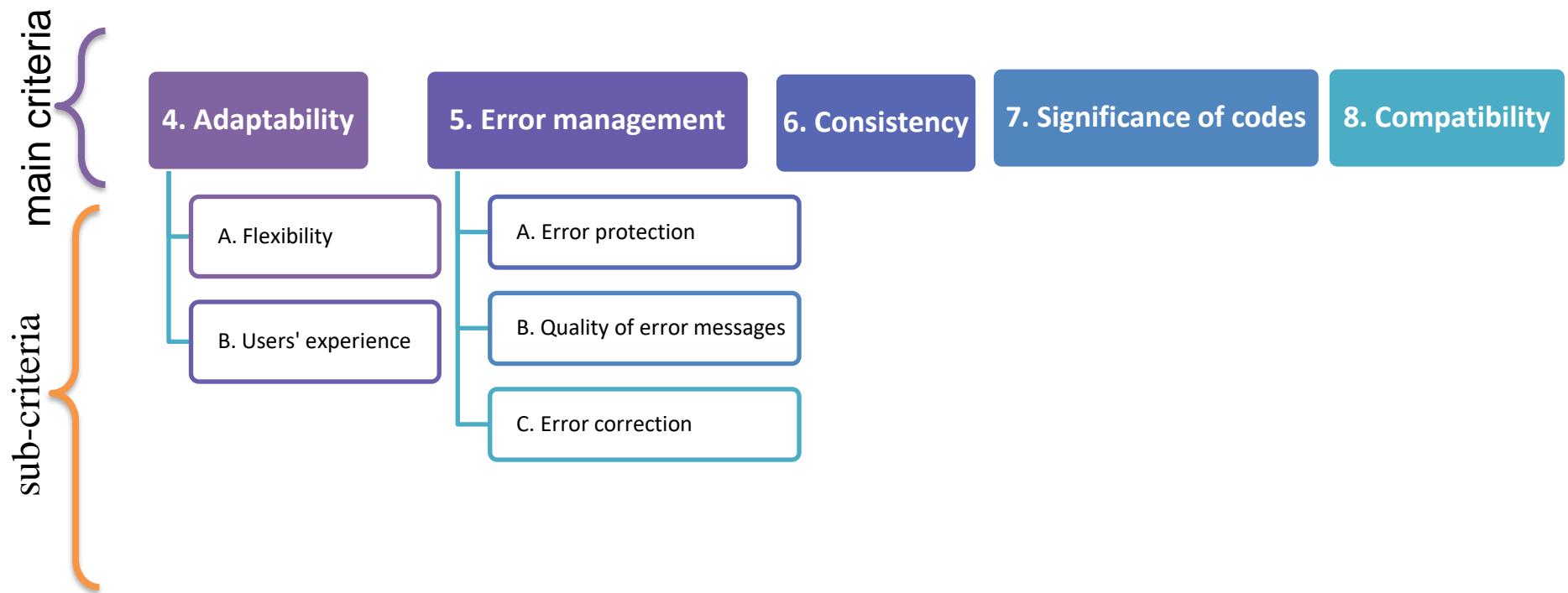
Bastien & Scapin Ergonomic criteria

The Bastien & Scapin ergonomic criteria are divided into main criteria and sub-criteria



Bastien & Scapin Ergonomic criteria

The Bastien & Scapin ergonomic criteria are divided into main criteria and sub-criteria



Bastien & Scapin Ergonomic criteria

1. Guidance

2. Workload

3. Explicit control

4. Adaptability

5. Error management

6. Consistency

7. Significance of codes

8. Compatibility

1. Guidage

2. Charge de travail

3. Contrôle explicite

4. Adaptabilité

5. Gestion des erreurs

6. Cohérence

7. Significance des codes

8. Compatibilité

5. إدارة الأخطاء

4. قابلية التكيف

3. السيطرة الصريحة

2. عبء العمل

1. التوجيه

8. التوافق

7. دلالة الرموز

6. التناغم (الاتساق)

PART

2

Bastien & Scapin Ergonomic criteria

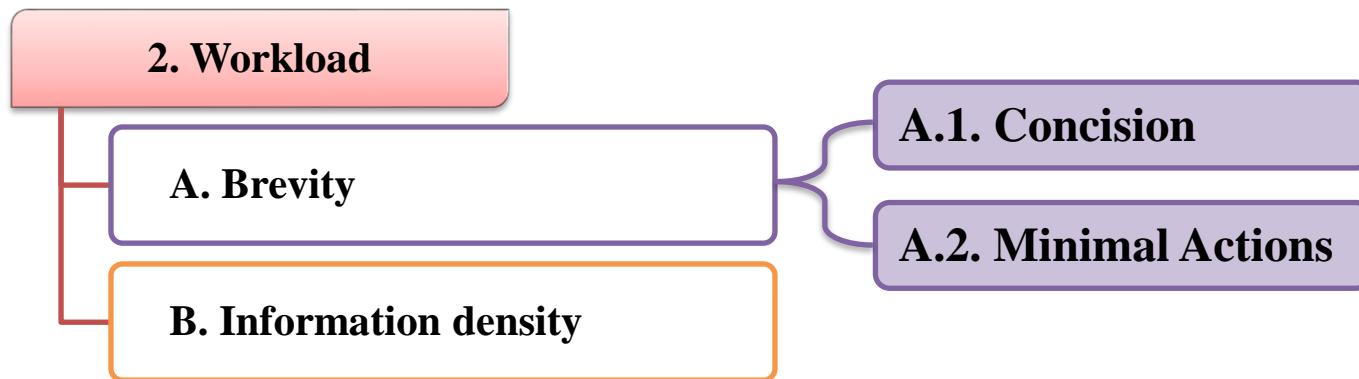
2 WORKLOAD

Bastien & Scapin Ergonomic criteria

2. Workload

Workload, as a key element of Bastien & Scapin's ergonomic criteria, plays a pivotal role in designing user interfaces that are efficient, intuitive, and minimize user effort. It focuses on **reducing** the **cognitive** and **physical** demands placed on users when interacting with the system.

The criterion Workload is subdivided into two criteria: **Brevity** (which includes Concision and Minimal Actions), and **Information Density**.



Bastien & Scapin Ergonomic criteria

2. Workload

Optimize Navigation

Leverage Visual Cues

Employ Progressive Disclosure

Simplify Data Entry

Task Simplification

auto-completion

Reduce the Number of Steps

Utilize Shortcuts

Consider Physical Strain

A. Brevity criterion

The Brevity

En

La Brièveté

Fr

الإيجاز

Ar

The criterion of brevity in user interface design emphasizes the importance of presenting information in a concise and straightforward manner. It advocates for minimizing the amount of text, visual elements, and interactions required to complete tasks without sacrificing clarity or comprehensiveness.

The brevity criterion brings together all the means aimed at reducing the perceptual and memory load of the user in their interactions with the input or output components of the user interface (fields of a form, menus, widgets, ...).

- It is therefore a question of limiting the user's **reading** and **input** work as much as possible (we talk about **Concision**).
- This criterion also includes the notion of **minimal action** which aims to minimize the **number** of actions necessary to achieve a goal, to **accomplish** a task.

A. Brevity criterion

The Brevity

En

La Brièveté

Fr

الاختصار

Ar

A.1. Concision

La Concision

الإيجاز

In the realm of user interface design, **Concision** refers to the principle of presenting **information** in a **clear**, **direct**, and **succinct** manner. It advocates for **minimizing redundancy**, eliminating unnecessary elements, and streamlining interactions to enhance user comprehension and reduce cognitive load. Concision is closely related to brevity, but it places a stronger emphasis on the clarity and effectiveness of the communication. It encompasses the use of succinct language, well-structured layouts, and appropriate visual elements to effectively communicate with users without overwhelming them with unnecessary details.

The art of conveying information using the fewest possible words while maintaining clarity and precision.

A. Brevity criterion

A.1. Concision

La Concision

الإيجاز

Recommendations:

- 1. Use Clear and Simple Language:** Employ clear, simple, and direct language, avoiding jargon or technical terms that may confuse users.
- 2. Prioritize Essential Information:** Identify the core information that users need to understand and prioritize its presentation, eliminating unnecessary details.
- 3. Structure Content Effectively:** Organize content in a logical and hierarchical manner, using headings, subheadings, and bullet points to enhance readability and scannability.
- 4. Utilize Visual Hierarchy:** Employ visual elements, such as font size, color, and spacing, to create a visual hierarchy that guides users' attention to the most important information.

A. Brevity criterion

A.1. Concision

La Concision

الإيجاز

Recommendations:

5. **Avoid Redundancy:** Eliminate redundant information that duplicates or repeats existing content. Ensure that each element serves a distinct purpose.
6. **Leverage White Space:** Utilize white space strategically to separate elements and create visual hierarchy, enhancing readability and scannability.
7. **Provide Contextual Cues:** Offer contextual cues, such as tooltips or pop-ups, to provide additional information when necessary without cluttering the interface.
8. **Employ Icons and Symbols:** Utilize icons, symbols, and other visual cues to convey information concisely and visually, especially in situations where text may be overwhelming or inappropriate.

A. Brevity criterion

A.1. Concision

La Concision

الإيجاز

Recommendations:

- 9. Employ Progressive Disclosure:** Reveal information gradually, only providing details when relevant to the user's current task or context.
- 10. Utilize Defaults and Auto-Completion:** Provide default values and auto-completion features to minimize repetitive data entry and reduce the need for manual input. Make it easy for the user to change default settings.
- 11. Offer Customizable Options:** Allow users to customize the interface to their preferences, providing them with control over the amount of information displayed.
- 12. Employ Shortcuts and Keyboard Navigation:** Provide shortcuts and keyboard navigation options to enable quick and efficient task completion for power users.

A. Brevity criterion

A.1. Concision

La Concision

الإيجاز

Recommendations:

13. Consider User Expectations: Design the interface with user expectations in mind.

Use language, symbols, and icons that are familiar and consistent with users' mental models.

14. Seek Feedback and Iteration: Continuously gather feedback from users and iterate on the design to refine the conciseness and effectiveness of the interface.

2. Workload

Bastien & Scapin Ergonomic criteria

A. Brevity criterion

Checkboxes are useful for indicating whether a specific condition applies to the user. If a condition includes additional form fields, use progressive disclosure to conceal them. Only reveal them if users select the checkbox. This allows users to focus on the required fields for faster form completion.

The image shows two side-by-side screenshots of a mobile payment application interface. On the left, a red circle with a white 'X' contains the text "Extra field revealed when not relevant". On the right, a green circle with a white checkmark contains the text "Field concealed until condition met". A large red arrow points from the left form to the right form, indicating a best practice.

Left Form (Incorrect): Extra field revealed when not relevant

Credit Card Number
1284-3843-2348-0419

Expiry Date CVV
11/22 732

Remember my info (optional)
We store your payment info for quick checkout. For security, please enter your mobile number:
+81 Mobile number

Buy Now

Right Form (Correct): Field concealed until condition met

Credit Card Number
1284-3843-2348-0419

Expiry Date CVV
11/22 732

Remember my info

Buy Now

2. Workload

Bastien & Scapin Ergonomic criteria

To provide users with better focus, use an accordion interaction on high-density information. This allows users to scan the overview information first. It'll then disclose the details on selection when they're relevant.

The image shows two side-by-side apartment listing interfaces. On the left, under a red 'X' icon, is a design labeled 'Hard to focus on overview info'. It features two separate boxes for 'Topeka, KS' and 'Denver, CO', each with detailed information like price per bed, availability, and unit type. A large green 'Select Unit' button is at the bottom. On the right, under a green checkmark icon, is a design labeled 'Overview info easy to scan'. It uses accordions where each city's header (e.g., 'Topeka, KS') contains its starting price and total square footage, with a small green arrow indicating the expandable nature of the information. Below the header, the detailed information is collapsed. A red arrow points from the 'Overview info easy to scan' section to the 'Starting at \$790/mo' line in the 'Topeka, KS' box of the first section, highlighting the visual cue.

| City | Starting at | Total Price |
|-------------|-------------|-------------|
| Topeka, KS | \$790/mo | \$1200/mo |
| Denver, CO | \$650/mo | \$1200/mo |
| Madison, WI | \$630/mo | \$1155/mo |
| Olympia, WA | \$740/mo | \$1340/mo |

2. Workload

Bastien & Scapin Ergonomic criteria

Pre-select the user's country based on their **geolocation** data.

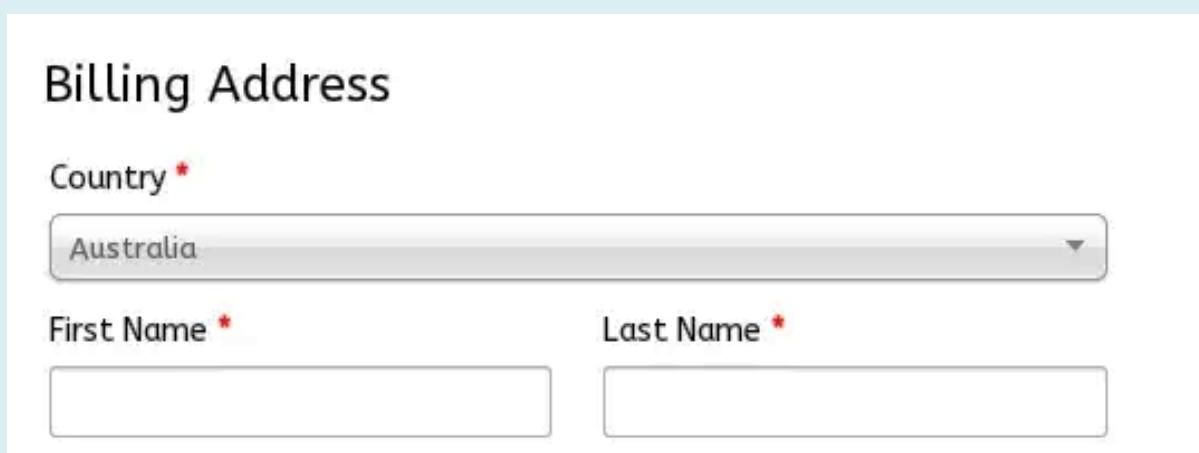
Billing Address

Country *

Australia

First Name *

Last Name *

A screenshot of a web form titled "Billing Address". It contains a label "Country *" followed by a dropdown menu with "Australia" selected. Below the dropdown are two input fields, one for "First Name *" and one for "Last Name *". All fields are currently empty.

Don't use defaults for input fields that require user attention

Do not use defaults for anything that requires user thought (e.g. signing up for newsletters or accepting terms of use).

I agree to receive the newsletter

Don't

I agree to receive the newsletter

Do



2. Workload

Bastien & Scapin Ergonomic criteria

A. Brevity criterion

HOME SERVICES HOURS ABOUT US CONTACT

MARKETING COURSES

WE ANSWER YOUR QUESTIONS

Placeholder text: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et. Dolor sit amet, consectetur adipiscing elit.

click

2. Workload

Bastien & Scapin Ergonomic criteria



A. Brevity criterion

The Brevity

En

La Brièveté

Fr

الاختصار

Ar

A.2. Minimal actions

Actions minimales

الحد الأدنى من الإجراءات

In the realm of UI design, the **minimal actions** criterion advocates for reducing the number of steps and interactions required to complete tasks. It emphasizes streamlining interactions, eliminating unnecessary steps, and providing users with direct and efficient paths to achieve their goals.

A. Brevity criterion

A.2. Minimal actions

Actions minimales

الحد الأدنى من الإجراءات

Recommendations:

- Task Analysis:** Analyze user tasks to identify opportunities for streamlining and reducing steps to simplify the process, eliminating unnecessary steps and reducing complexity.
- Progressive Input:** Allow users to enter information in stages, providing feedback and validation as they proceed.
- Contextual Assistance:** Offer contextual assistance, such as tooltips or pop-ups, to provide guidance and support without disrupting the workflow.
- Keyboard Shortcuts:** Provide keyboard shortcuts for common actions and power users to enable quick and efficient task completion.

A. Brevity criterion

A.2. Minimal actions

Actions minimales

الحد الأدنى من الإجراءات

Recommendations:

5. **Hidden Options:** Consider hiding advanced or infrequently used options to reduce clutter and maintain a clean interface.
6. **Undo and Redo Functionality:** Implement undo and redo functionality to allow users to easily recover from mistakes without starting over.
7. **Consistent User Flow:** Maintain a consistent user flow throughout the interface to avoid surprises and minimize the need for users to learn multiple workflows.
8. **Enable Predictive Input:** Implement predictive input features, such as auto-completion or suggestions, to anticipate user needs and reduce the need for typing.

A. Brevity criterion

A.2. Minimal actions

Actions minimales

الحد الأدنى من الإجراءات

Recommendations:

- 9. Leverage Automation:** Automate repetitive tasks or processes to minimize user involvement and reduce the number of steps required.
- 10. Design for Multiple Platforms:** Consider the limitations and affordances of different platforms, such as mobile devices or touch screens, and adapt the interface accordingly to minimize actions.

Progressive Disclosure

Default Values and Auto-Completion

User Testing and Feedback

A. Brevity criterion

A.2. Minimal actions

Actions minimales

الحد الأدنى من الإجراءات

Recommendations:

Exemples:

- **Minimise** the number of steps required to make a selection in a menu.
- Do not require **data** entry by the user when the data can be **derived** by the **computer**.
- Avoid users' entries of commands that include **punctuation**.
- For **data entry**, display currently defined default values in their appropriate data fields.
- For long, **multipage displays**, it should be possible to request a particular page **directly**, without having to go through all intermediary pages.

B. Information Density criterion

Information Density En

Densité de l'information Fr

كثافة المعلومات Ar

The criterion of "Information Density" is another important aspect of usability evaluation and design. It focuses on the amount of information presented to users within an interactive system and how effectively it is displayed and organized. The goal is to find the right balance between providing sufficient information and avoiding overwhelming users with excessive or cluttered content.

In the realm of UI design, information density refers to the amount of information presented to users within a given screen space or interface element.

- User performance is negatively influenced when the information load is too high or (more rarely) too low.
- It is therefore necessary to remove all elements not directly linked to the current task and which could unnecessarily distract users.
- Advertising banners (or pop-up windows) are examples of an (unnecessary?) increase in the information density of the interface.

B. Information Density criterion

Information Density En

Densité de l'information Fr

كثافة المعلومات Ar

Recommendations: To effectively manage information density, consider these strategies:

- Prioritization:** Prioritize the most important information and ensure it is prominently displayed and easily accessible. Consider using visual hierarchy, such as font size, color, and spacing, to guide users' attention to the most critical information.
- Progressive Disclosure:** Reveal information gradually, only presenting details when relevant to the user's current task or context.
- Interactive Elements:** Utilize interactive elements, such as filters, sorting options, and collapsible sections, to allow users to control the amount of information displayed.
- Data Visualization:** Use charts, graphs, and other visual elements to present complex data in a concise and easily understandable format.

B. Information Density criterion

Recommendations:

5. **Responsive Design:** Adapt the information density based on the device and screen size, ensuring optimal presentation on desktops, laptops, tablets, and smartphones.
6. **Chunking and Organization:** Chunk large amounts of information into smaller, digestible pieces to enhance readability and scannability. Use headings, subheadings, bullet points, and lists to organize information logically and create visual cues for easy navigation. "Break down lengthy text into smaller, more digestible chunks to improve readability and avoid overwhelming users."
7. **Visual Elements:** Utilize visual elements, such as icons, charts, and graphs, to convey information in a visually appealing and concise manner. Visuals can effectively summarize complex data or concepts, reducing the need for extensive text.
8. **White Space:** Strategically utilize white space to separate elements, create visual balance, and prevent the interface from appearing cluttered. White space provides breathing room for the eyes and enhances the readability of text.

B. Information Density criterion

Recommendations:

Exemples:

- Only display **relevant information** to perform the task (simple **dialog boxes**, **graphical representations**, etc.)
- Avoid screens that are **too busy** (break it down if necessary)
- Avoid too **many links** in text displayed on a web page
- Avoid texts that are **too verbose** (**simple dialogue**, **short sentences**)
- Prioritize recognition (**symbols**, **icons**)

B. Information Density criterion

Recommendations:

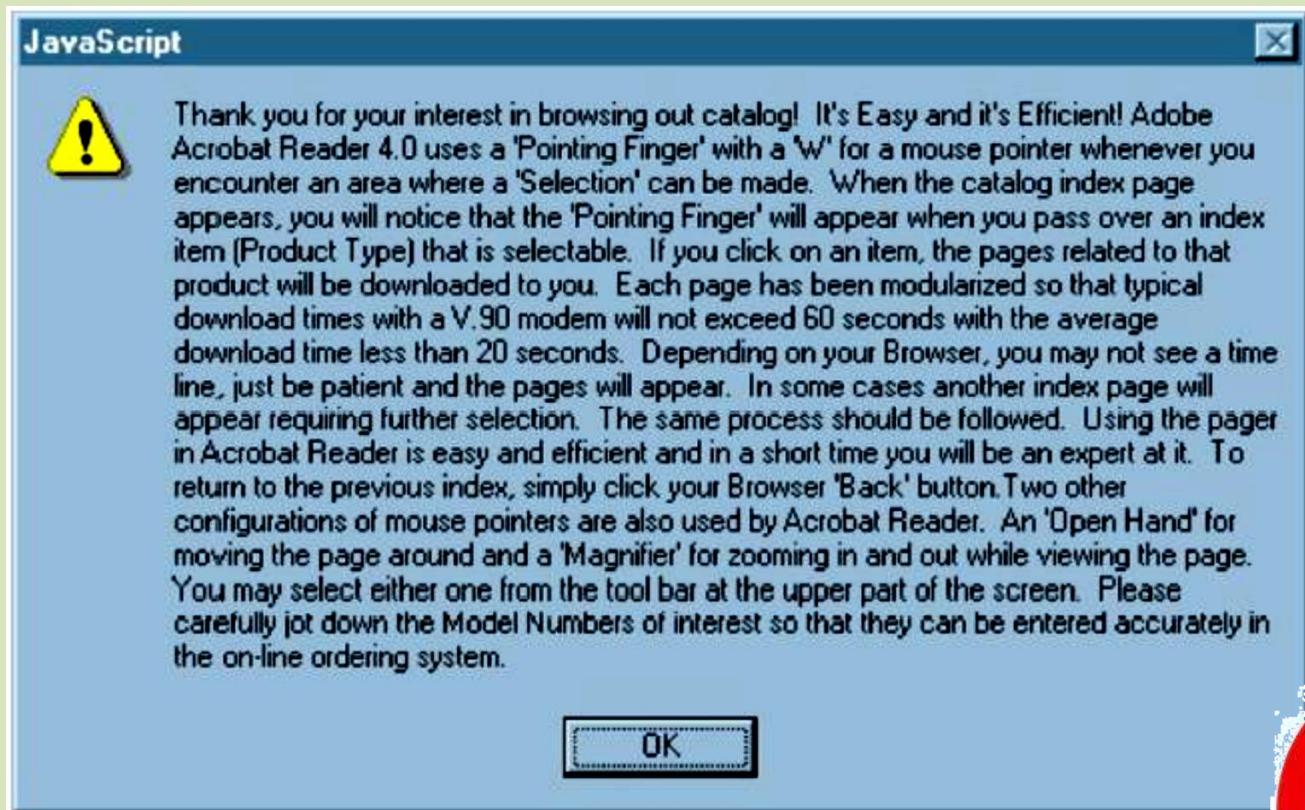
| GUI Application | Example of Information Density Management |
|-----------------------------|---|
| Online shopping website | Utilize tabs, accordions, and expandable sections to organize product information. |
| News website | Employ chunking, clear headings, and white space to improve readability of articles. |
| Social media platform | Implement filters, sorting options, and chronological timelines to control information flow. |
| Maps and navigation app | Use color-coding, symbols, and icons to convey information concisely on maps. |
| E-commerce app | Employ progressive disclosure, expandable sections, and visual hierarchy to manage product details. |
| Messaging app | Implement chat threads, timestamps, message grouping, and search functionalities to organize and locate messages. |
| Word processing software | Utilize menus, toolbars, and contextual menus to organize tools without overwhelming users. |
| Graphic design software | Employ tool palettes, customizable workspaces, and keyboard shortcuts for efficient tool access. |
| Project management software | Use dashboards, filters, and customizable views to focus on relevant project information. |

2. Workload

Bastien & Scapin Ergonomic criteria

A message that we don't really want to read...

- Avoid texts that are too verbose (simple dialogue, short sentences).

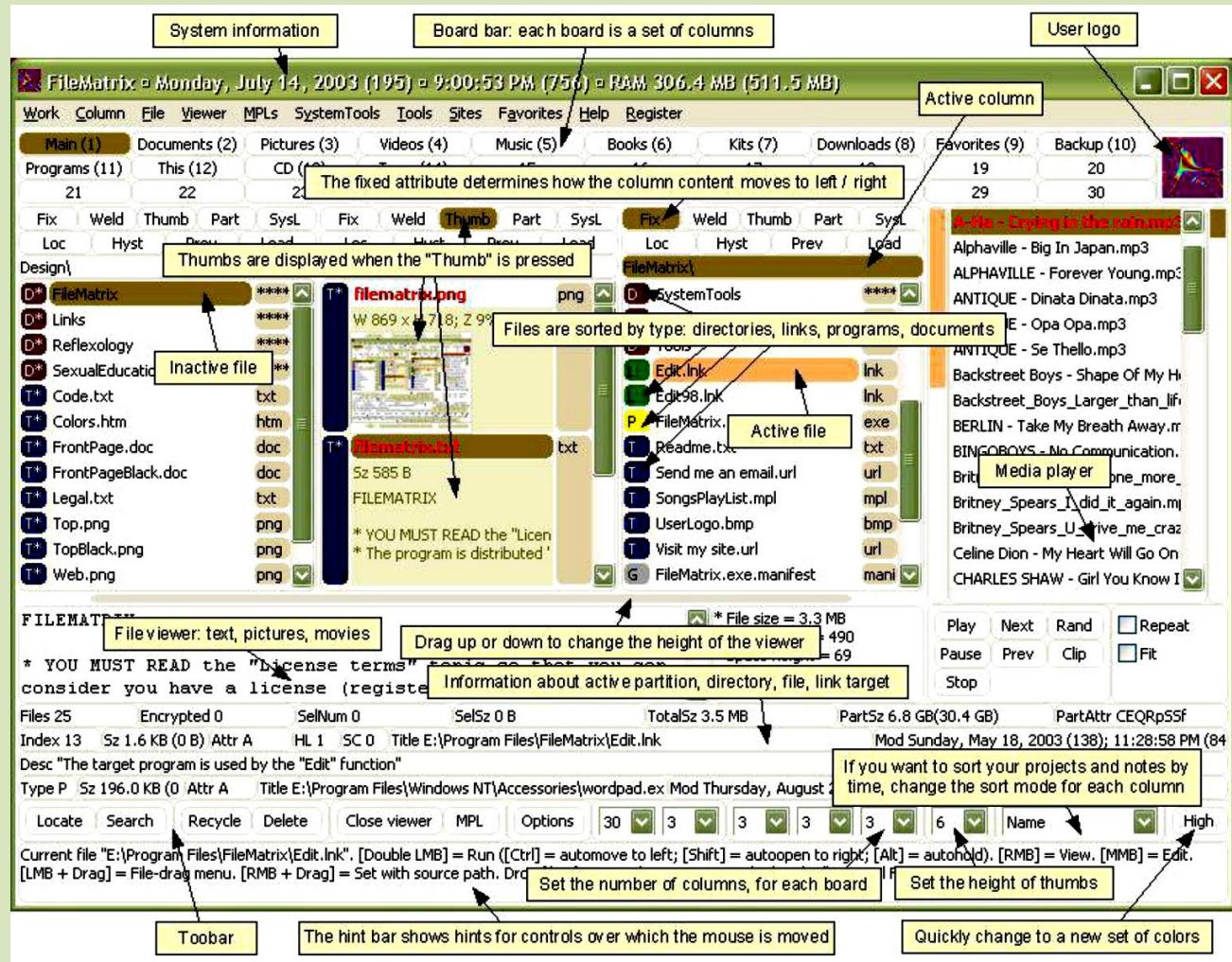


2. Workload

Bastien & Scapin Ergonomic criteria

Delete elements unrelated to the content of the current task.

- Avoid overloading HMIs with information and features



2. Workload

Bastien & Scapin Ergonomic criteria

What are the necessary, useful functions (abundance is harmful in certain circumstances).



PART

3

Bastien & Scapin Ergonomic criteria

3

EXPLICIT CONTROL

Bastien & Scapin Ergonomic criteria

3. Explicit control

explicit control refers to the principle of providing users with clear and direct mechanisms for interacting with the interface and controlling their actions. It emphasizes the use of intuitive and unambiguous controls that minimize confusion and allow users to take ownership of their interactions.

The explicit control criterion is subdivided into two criteria: **Explicit user actions**, and **User control**.

3. Explicit control

A. Explicit user actions

B. User control

A. Explicit user actions

Explicit Actions En

Actions explicites Fr

الإجراءات الصريحة Ar

In the realm of UI design, explicit user actions refer to deliberate and unambiguous interactions that users initiate to control the interface and perform tasks. These actions are clearly defined and visible, allowing users to understand the consequences of their interactions and navigate the interface with confidence.

The criterion Explicit User Action refers to the **relationship** between the **computer processing** and the **actions of the users**. This relationship must be explicit, i.e., the computer must process **only** those actions requested by the users and **only** when requested to do so.

A. Explicit user actions

Recommendations:

- ❖ **Avoid Automatic Actions:** Minimize the use of **automatic actions** that trigger without explicit user input, as they can lead to surprises and unintended consequences.
- ❖ **Clear Visual Cues:** Employ **clear visual cues**, such as **buttons**, **menus**, and **dropdown lists**, to indicate actions and options available to users.
- ❖ **Consistent Interactions:** Maintain **consistent** interaction patterns across the interface, so users can learn and apply their knowledge to different functionalities.
- ❖ **Confirmation Prompts:** Provide **confirmation prompts** for critical actions, such as deleting data or making irreversible changes, to prevent accidental mistakes.
- ❖ **Undo/Redo Functionality:** Implement **undo/redo** functionality to allow users to reverse actions and recover from errors, reducing frustration and enabling experimentation.

A. Explicit user actions

Recommendations:

- Do not trigger operations without the explicit consent of the user.
 - Always require a user to take an explicit ENTER action to initiate processing of entered data; do not initiate processing as a side effect (e.g., updating a file) of some other action (e.g., printing a file).
- If menu selection is accomplished by pointing, provide for dual activation, in which the first action (positions a cursor) designates the selected option, followed by a separate second action that makes an explicit control entry.
- Users' command entries should be completed with an ENTER action following editing facilities.
- Trigger the operation immediately after the user action or, alternatively, clearly indicate that the operation will be deferred (or that it cannot be performed).

3. Explicit control

Bastien & Scapin Ergonomic criteria

A. Explicit user actions

Document2 - Microsoft Word

RÉFÉRENCES PUBLIPOSTAGE RÉVISION AFFICHAGE ACROBAT Connexion

Supprimer Précédent Suivant Afficher les commentaires

Commentaires

Marques simples

Suivi des modifications

Volet Vérifications

Précédent Suivant Accepter Refuser

Comparer Bloquer les auteurs Restreindre la modification Protéger

Orthographe

machinne

Ignorer Ignorer tout Ajouter

machine
machiné
machines
machiner
machinée

Modifier Modifier tout

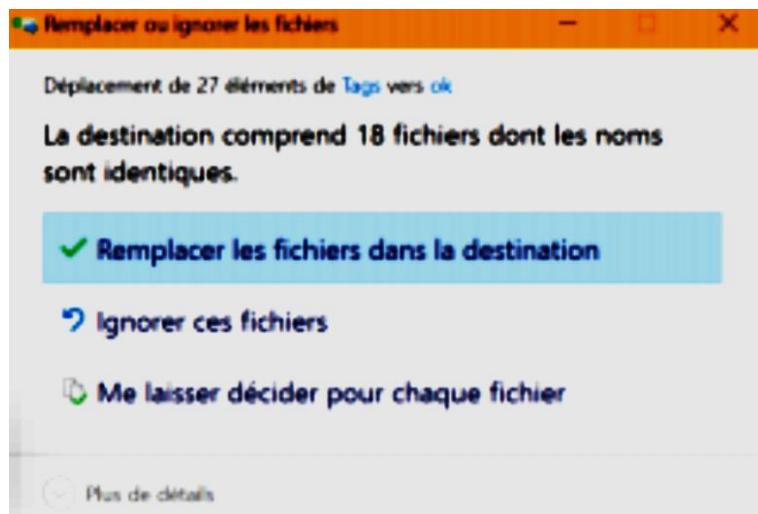
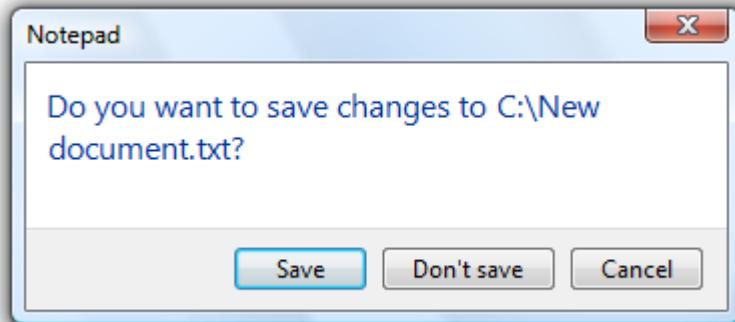
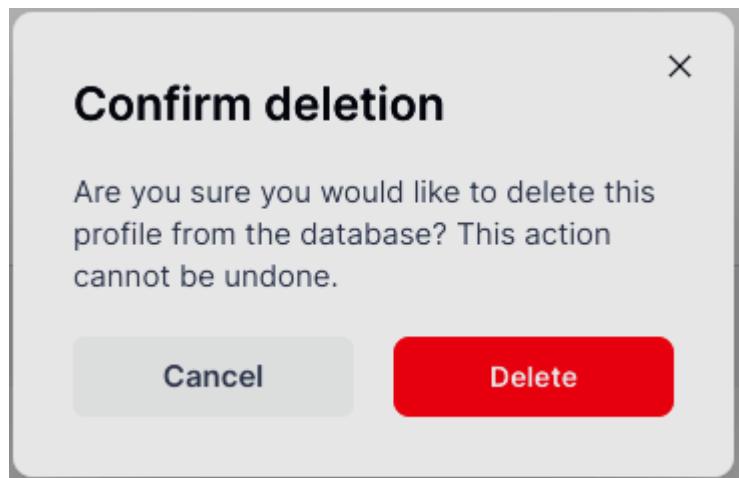
machine

- appareil
- dispositif
- locomotive

Interface homme machinne

3. Explicit control

Bastien & Scapin Ergonomic criteria



A. Explicit user actions

m PIXELS CHRONIQUES DES (R)ÉVOLUTIONS NUMÉRIQUES VIE EN LIGNE JEUX VIDÉOS

Windows 10 téléchargé automatiquement et sans avertissement sur certains ordinateurs

Le Monde | 11.09.2015 à 09h37



Microsoft télécharge automatiquement Windows 10 chez les utilisateurs de certaines anciennes versions du système d'exploitation, révèle le site spécialisé The Inquirer.

Les utilisateurs qui ont activé le programme de téléchargement automatique de mise à jour voient donc les fichiers d'installation du dernier-né de Microsoft

B. User control

User control

En

Contrôle utilisateur

Fr

تحكم المستخدم

Ar

User control is a fundamental principle in usability and user experience design. It refers to the degree of control and autonomy given to users over their interactions with an interactive system or interface. User control allows individuals to navigate, manipulate, and customize their experience according to their preferences and needs.

The user control criterion concerns the fact that the user must always have control over the system and control its operations and their progress (**interrupt, resume**).

- It aims to make the user **autonomous** in their interaction with the system by giving them control of the process.
- The user must have **permanent** control over the software.
- If possible, its actions should be **facilitated** and **appropriate** control options should be provided to it based on the current state of the system (taking into account the current situation).

B. User control

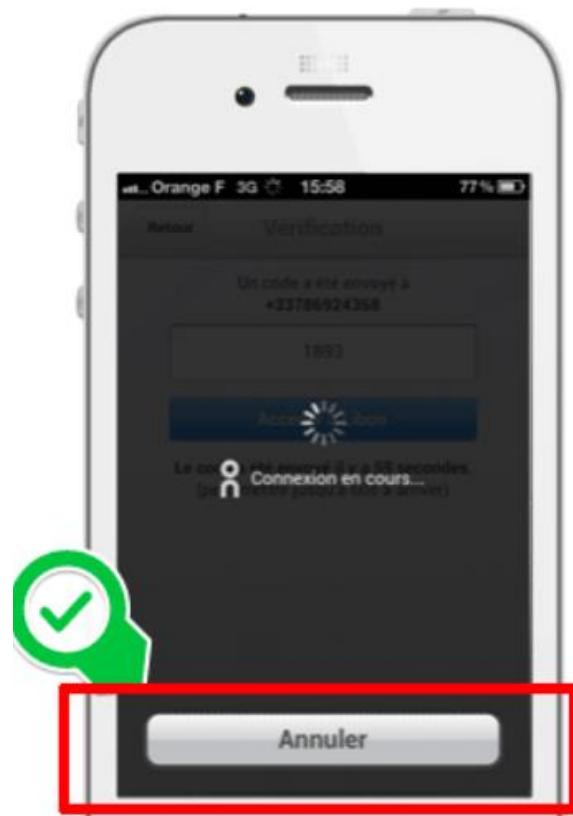
Recommendations:

- Allow users to personalize the information displayed and the order in which it appears.
- Offer the user explicit validation of important or difficult to reverse commands
- Allow, at any time, to exit the current function or even the software
- Allow users to pace their data entry, rather than having the pace being controlled by computer processing or by external events.
- The cursor should not be automatically moved without users' control (except for stable and well known procedures, such as in form-filling).
- Users should have the control over the screen pages.
- Allow users to interrupt or cancel a current transaction or process.
- Provide a CANCEL option which will have the effect of erasing any changes just made by the user and restoring the current display to its previous version.
- Allow rollbacks (Undo)

3. Explicit control

Bastien & Scapin Ergonomic criteria

- Allow users to interrupt or cancel a current transaction or process.

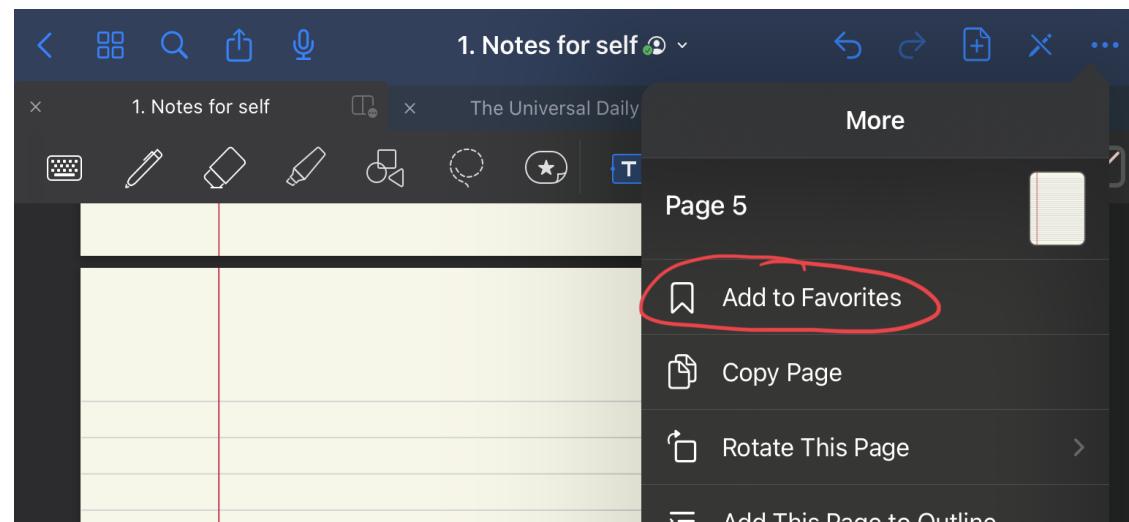
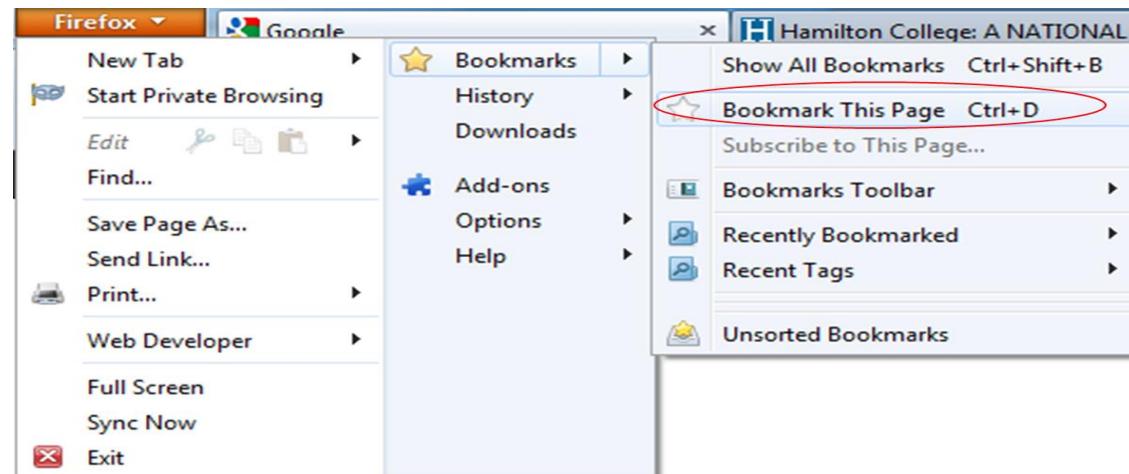
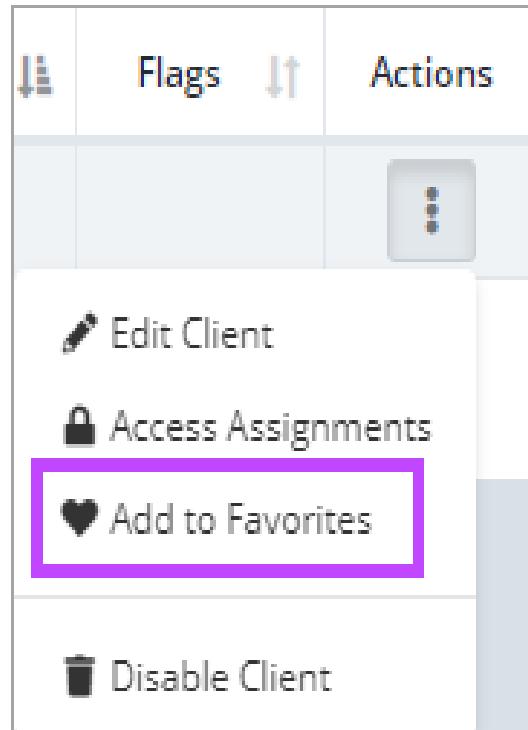


3. Explicit control

Bastien & Scapin Ergonomic criteria

B. User control

Bookmarks and Favorites: Users can save frequently accessed information for future reference.

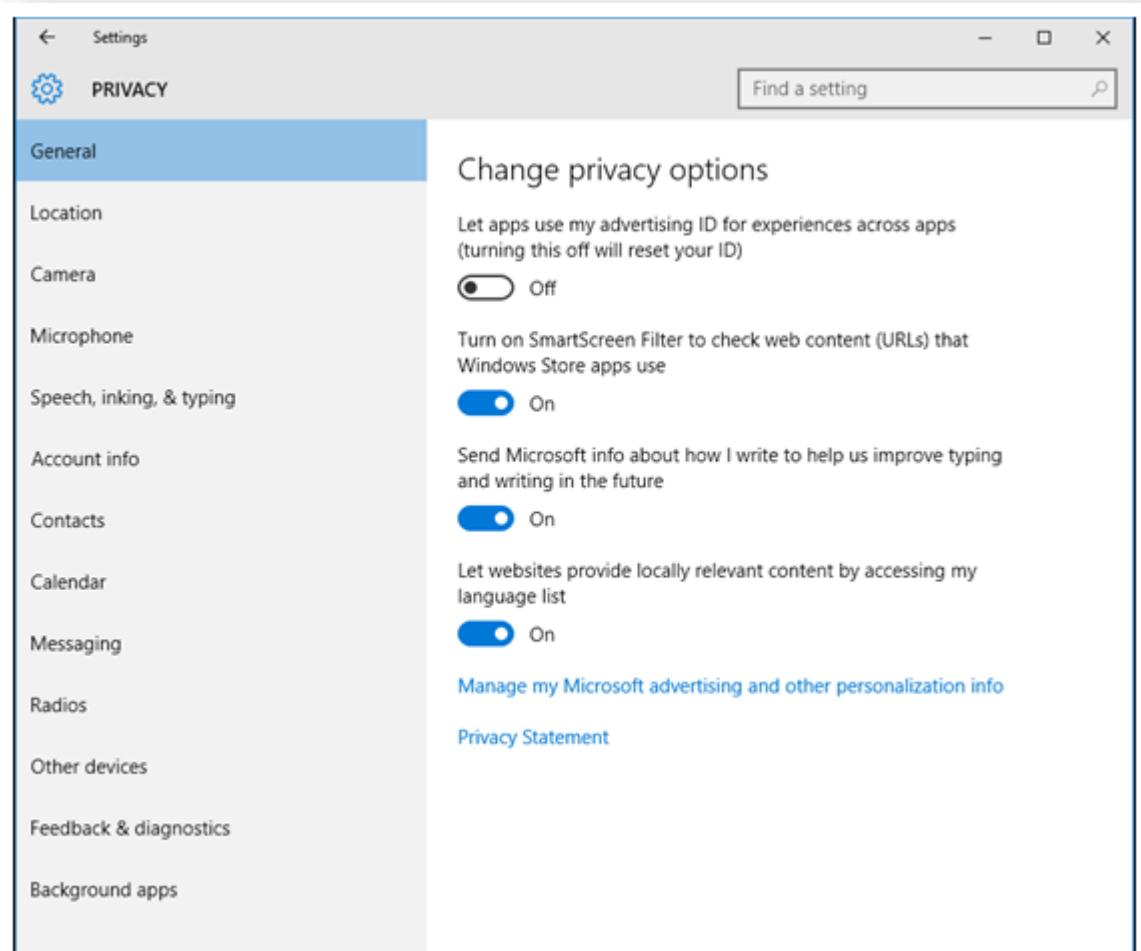
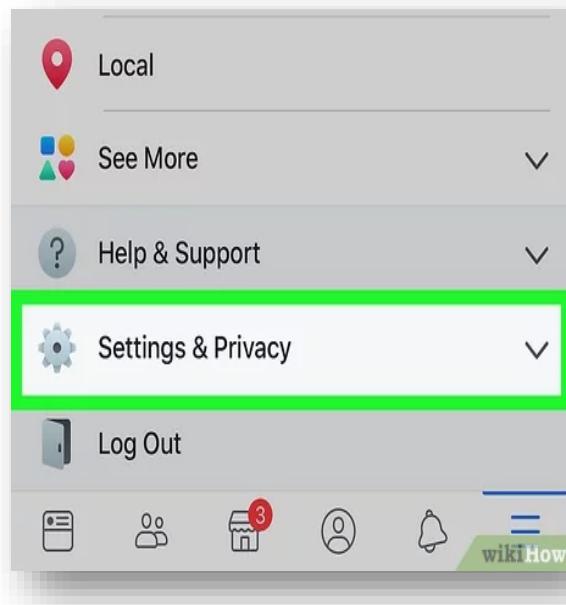


3. Explicit control

Bastien & Scapin Ergonomic criteria

Privacy Settings: Users can control the visibility and access to their personal information.

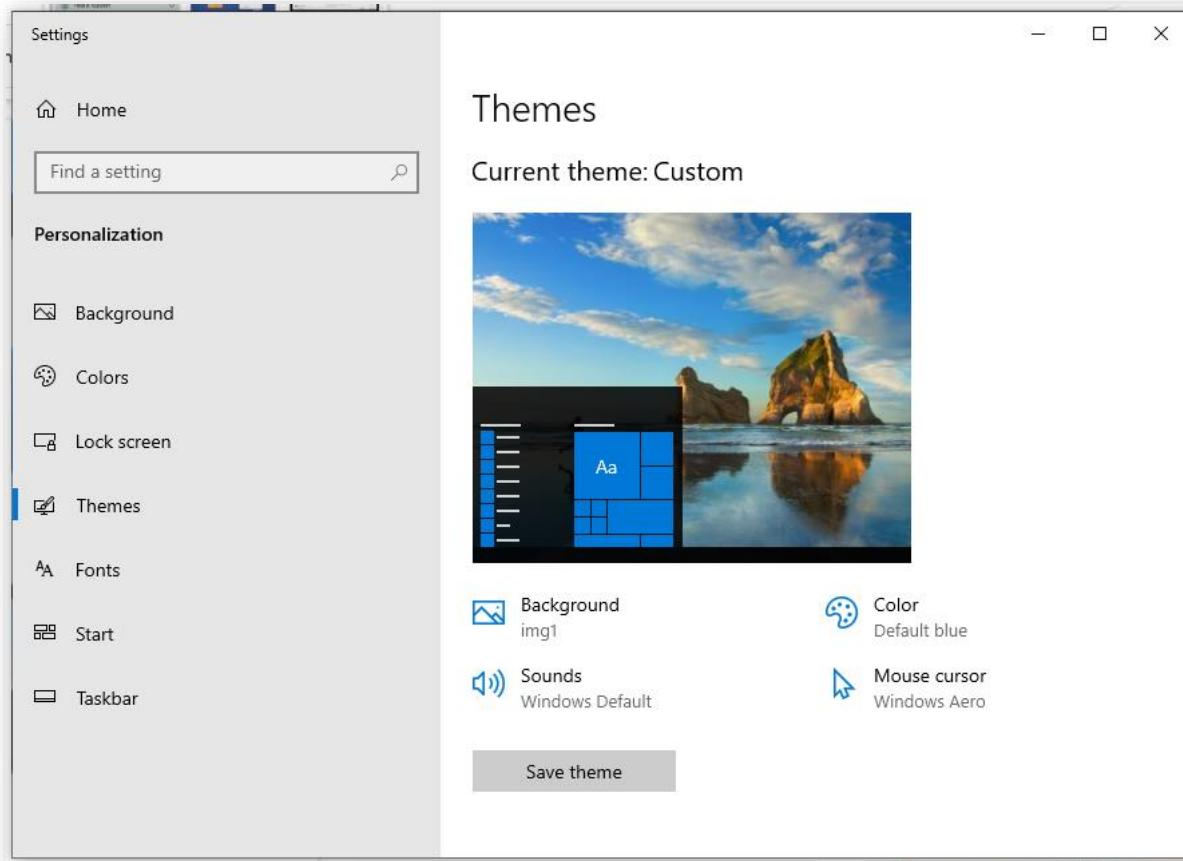
B. User control



3. Explicit control

Bastien & Scapin Ergonomic criteria

Themes and Skins: Allowing users to choose from different themes or skins to personalize the interface's visual appearance.



3. Explicit control

Bastien & Scapin Ergonomic criteria

Dashboards: Enabling users to customize the layout of dashboards and the information displayed to focus on relevant data.

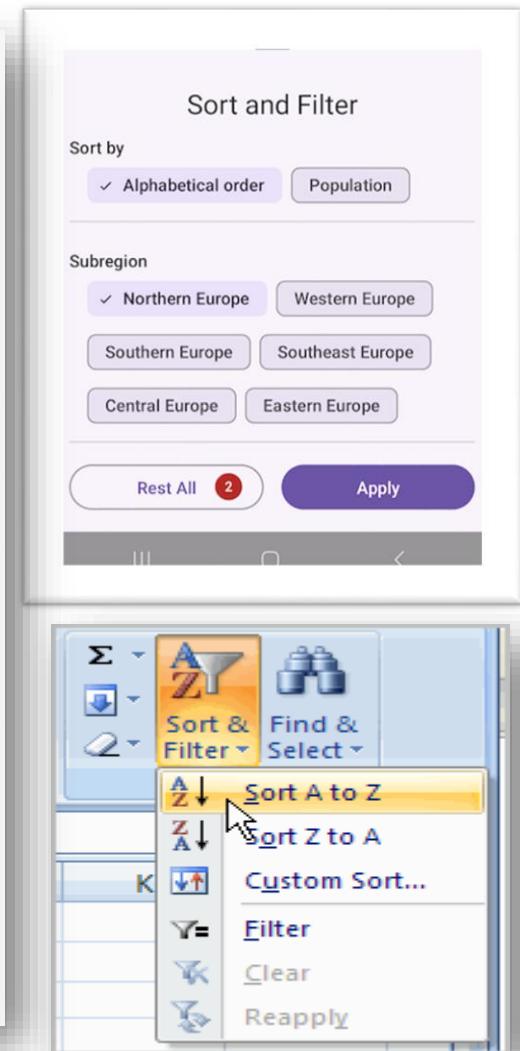
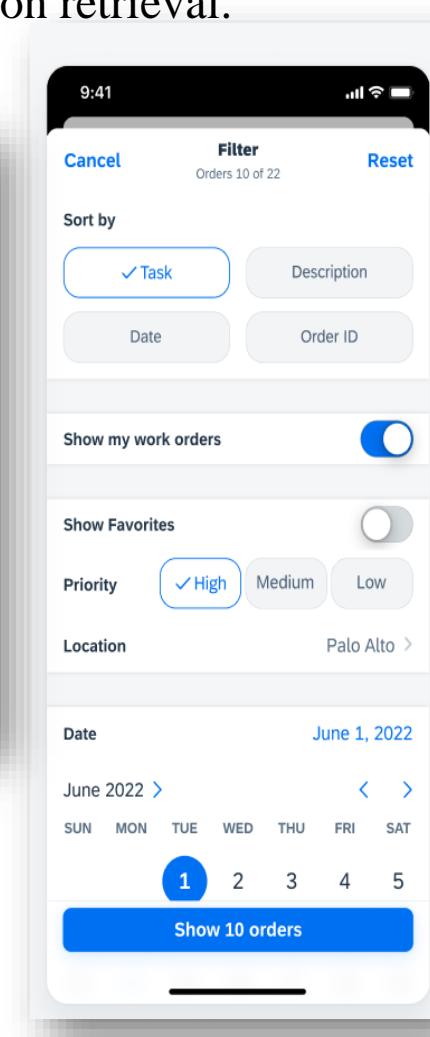


3. Explicit control

Bastien & Scapin Ergonomic criteria

Filtering and Sorting: Providing options to filter and sort data based on user preferences, facilitating efficient information retrieval.

The screenshot shows the Library Genesis search interface. It includes a search bar, a 'Search in:' dropdown with categories like Non-fiction / Sci-tech, Fiction, Scientific articles, and Magazines. There are also sections for LibGen Search options, Download type (Resumed dl with original filename), View results (Simple or Detailed), Results per page (set to 25), and Search with mask (word*) (No or Yes). A 'Search in fields' section offers choices like Title, Author(s), Series, Publisher, Year, ISBN, Language, MD5, and Tags. At the top, there are links for alias domains (libgen.rs, libgen.is, libgen.st), help, catalog searching, and a Libgen Desktop application download.

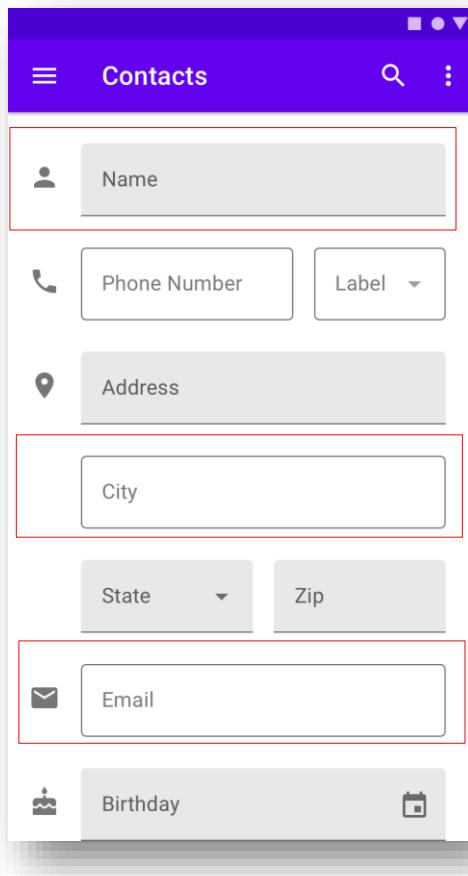


3. Explicit control

Bastien & Scapin Ergonomic criteria

B. User control

Editable Text Fields: Users can edit and modify text directly, giving them control over the content.



Create task

Type

Company Opportunity
Optional

Task name

CC
Optional

Nature of request

Ads review

Keywords review

Extensions review

Current reviewable status

Approved

Not approved

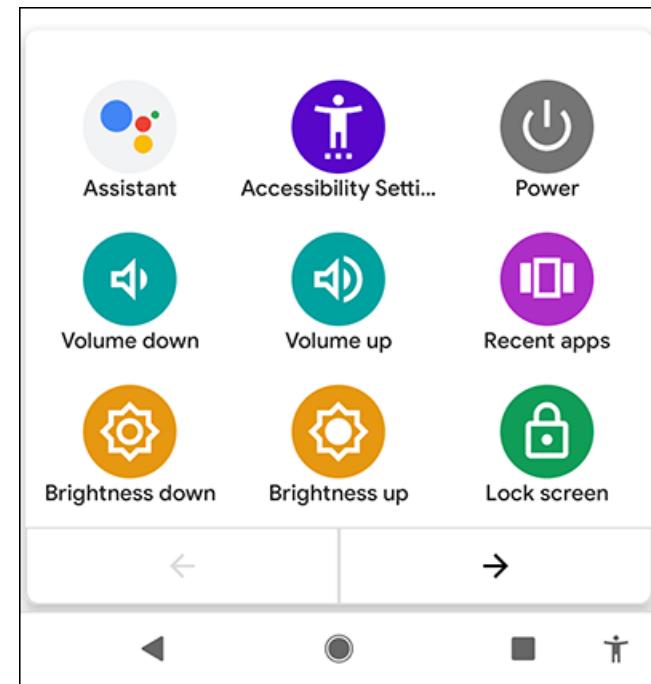
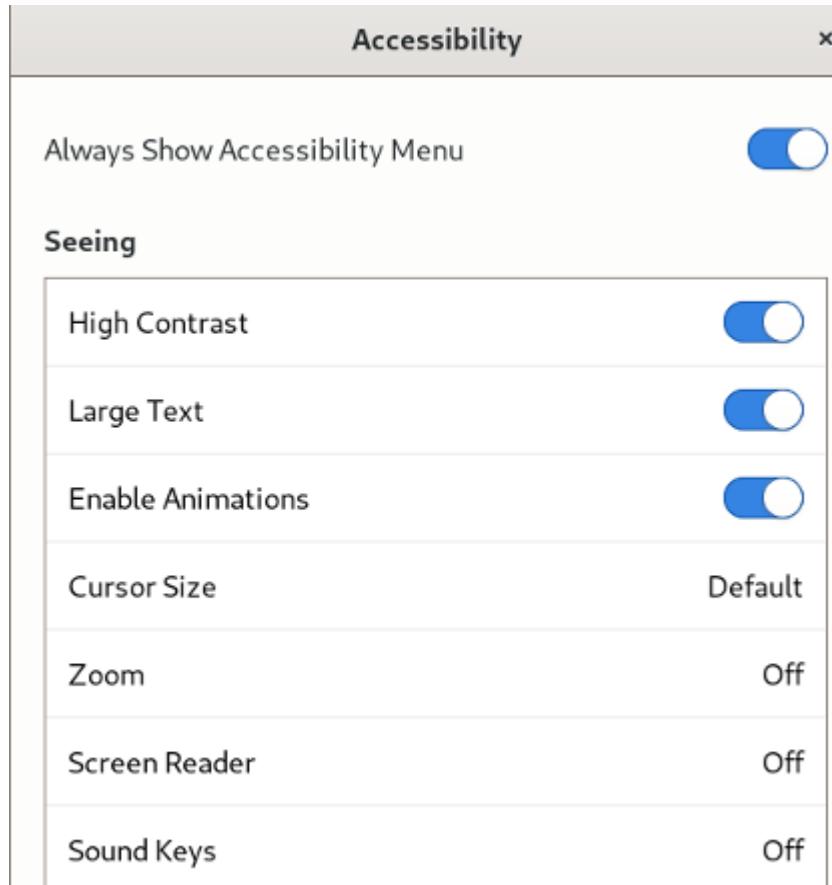
This screenshot shows a "Create task" form. It includes fields for "Type", "Company", "Opportunity" (marked as optional), "Task name", and "CC" (also marked as optional). Below these are sections for "Nature of request" (with checkboxes for "Ads review", "Keywords review", and "Extensions review") and "Current reviewable status" (with radio buttons for "Approved" and "Not approved"). The "Approved" option is selected.

3. Explicit control

Bastien & Scapin Ergonomic criteria

B. User control

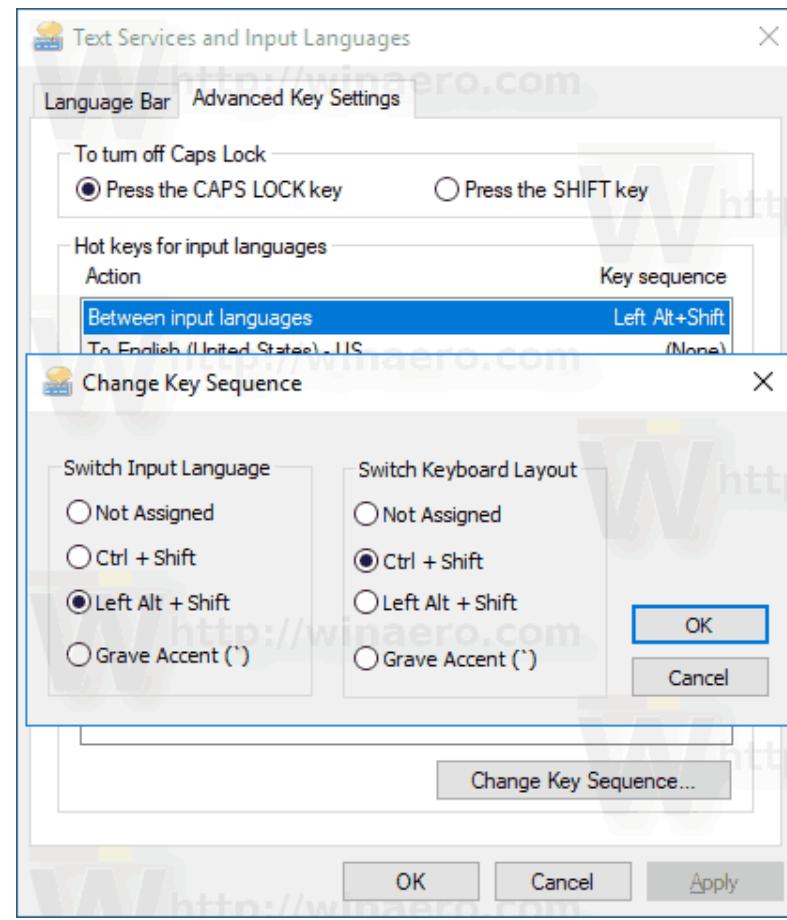
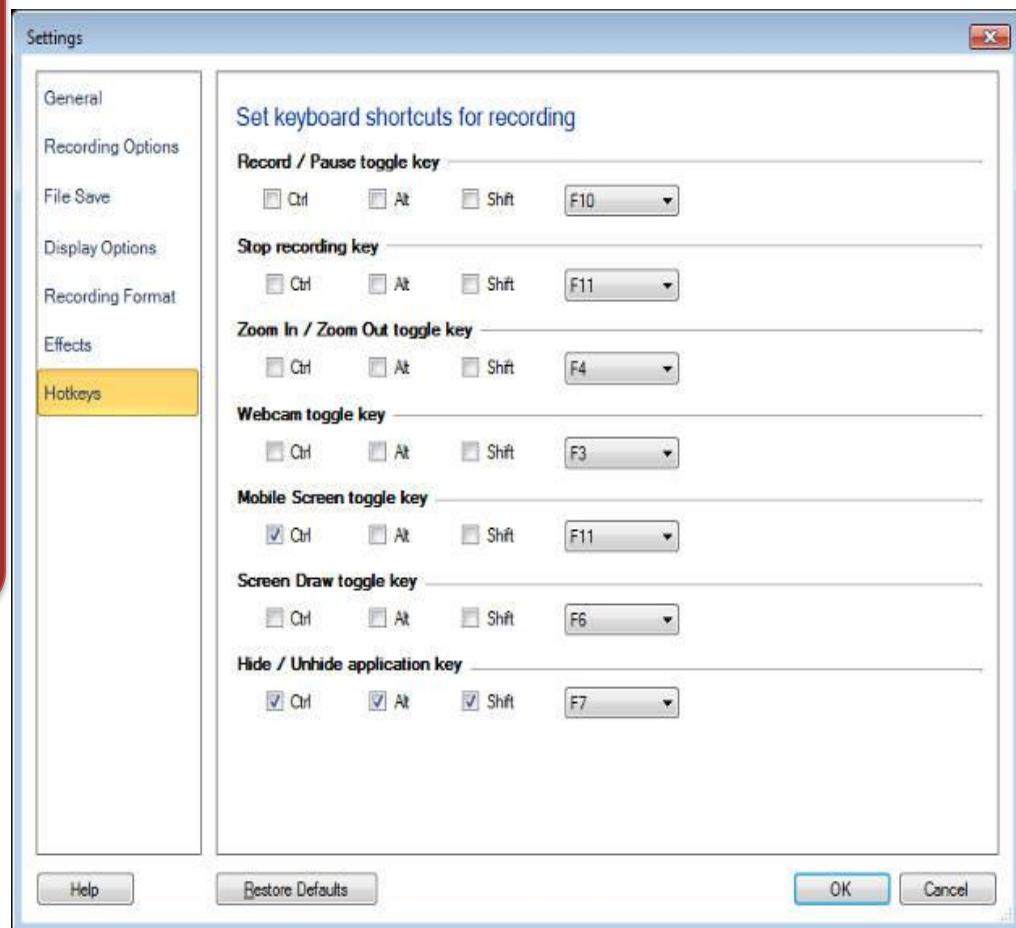
Accessibility Settings: Offering various accessibility features, such as font size adjustments, high contrast mode, and screen reader support, to cater to users with diverse needs.



3. Explicit control

Bastien & Scapin Ergonomic criteria

Keyboard Customization: Enable users to customize keyboard shortcuts for frequently used actions.



3. Explicit control

Bastien & Scapin Ergonomic criteria

User Profiles: Allow users to create and manage profiles with individual settings and configurations to personalize their experiences across multiple sessions.

Profile: Ahmed said (Age: 31, Position: CEO)

| | | | | | |
|--|----------------|---|------|---------|---------|
| Name: | Ahmed | | | | |
| Surname: | Said | | | | |
| Patronymic: | | | | | |
| Birthday: | 1978.05.14 | Sex: | Male | Status: | Working |
| Working since: | 2008.01.01 | Position: | CEO | | |
| Department: | Directors | | | | |
| Description: | | | | | |
| Location: | | | | | |
| Language: | English | <input type="checkbox"/> Text entering from right to left | | | |
| <input checked="" type="checkbox"/> Enable calls via SIP. Prefix to dial via SIP: <input type="text"/> <input type="checkbox"/> Replace + with <input type="text"/> 00 | | | | | |
| <input checked="" type="checkbox"/> Compact layout | | | | | |
| <input type="checkbox"/> Disable automatic notification about changes | | | | | |
| Calendar type: | Gregorian | example: 2011.06.29 | | | |
| Timezone: | Auto Detection | | | | |
| <input checked="" type="checkbox"/> Daylight Saving Time enabled | | | | | |

 Edit Clear

Update

Undo/Redo Functionality: Allow users to undo and redo actions to recover from mistakes or experiment without fear of permanent changes.

