

TOPIC ● SCHNEIDERMAN'S 8 GOLDEN RULES

① Strive For consistency

→ Example + Google's UI consistency.

As we can see Google uses same UI principles not only to pages and buttons but also to error message format hamburger menu, search bar positions, UI colors all these things make Google's UI consistent.

② Enable Frequent Users to Use Shortcuts

→ Example + Microsoft Windows Notepad.

When was the last time you manually saved a document instead of using Ctrl+S? The question says the importance of shortcuts and Microsoft Windows Notepad did it successfully by giving users shortcuts.

③ Offer Informative Feedback

→ Example + Loading screens (bar) or message sent Received Read Indications.

The user needs to know if their task had been carried out. We should not leave user in dark so above methods are popular.

④ Design dialog to yield closure.

→ Example + For online marketing pathway
Search for item > Add to basket > Checkout/Pay
> Thank you message / order confirmation.

⑤ Offer Simple Error Handling

→ Example + Error display in terminal vs
Windows error balance.

we should not show all the technical details to user neither say something happened and keep him in dark. There should be balance between the two. Display error as in general sentences and offer some steps to fix it

⑥ Permit easy reversal of actions.

→ Example f Undo and Redo

Mistakes aren't the end of world we should give user opportunity to retrieve back. By this way users are not inhibited to explore the system.

⑦ Support Internal locus of control

→ Example f Confirmation prompt when deleting and existing.

Giving the user definitive decisions to make, such as permission dialogues, make them feel they have control over the system.

⑧ Reduce Short term Memory load.

→ Example f Tensorflow @ (KISS) Keep it simple stupid.

Tensorflow is a highly used machine learning library with thousands of functions and an almost unimaginable amount of complexity. but their homepage is designed to be simple.

TOPIC ● NIELSENS NORMAN GROUP | JAKOB'S TEN USABILITY HEURISTICS

① Visibility of System Status.

Ext Interactive mall maps have to show people where they currently are, to help them understand where to go next.

② Match between system and Real world.

Ext Users can quickly understand which store top controls maps to each heating elements.

③ User control and Freedom

Ext just like physical spaces digital spaces need quick "emergency" exists too.

④ Consistency and standards.

Ext check-in counters are usually located at the front of hotels, which meets expectations.

⑤ Error Prevention

Ext Guard rails on curvy mountain roads prevent drivers from falling off cliffs.

⑥ Recognition Rather than Recall

Ext People are likely to correctly answer "Is Lisbon the capital of Portugal?"

⑦ Flexibility and Efficiency of use

Ext Regular routes are listed on maps, but locals with more knowledge can take shortcuts.

⑧. Aesthetic and minimalist Design.

Ex Interfaces should not contain information which is irrelevant. A minimalist three-legged stool is still a place to sit.

⑨. Recognize Diagnose and Recover from Errors
ex Wrong-way signs on the road remind drivers are heading in wrong direction.

⑩. Help and Documentation

ex Information kiosks at airports are easily recognizable and solve customer problems in context and immediately.

TOPIC 10 Usability Heuristics for User Interface Design.

① visibility of system status.

Example + copying in windows (how clearly it shows remaining things to be copied in an user understandable way)

②. Match between systems and Real world.

Ex DSC applications Government applications following 3 language rule One for local another popularly used and one more for commercial.

③. user control and freedom

Ex Amazon (online shopping apps) cancelling order with full refund. which gives control ~~over~~ user centered to user.

④. Consistency and standards

Ext See how Authentication information is always place top right

⑤. Error Prevention

Ext Error prompt by Gmail when to address is not mentioned

⑥. Recognition Rather than recall

Ext Search suggestions while suggesting

⑦. Flexibility and efficiency

Ext How Keyboard changes layout dynamically numpad, keypad,

⑧. Aesthetic and minimalist design.

Ext Xbox and Playstation ~~as~~ gaming consoles focoused mainly on gaming nothing else

⑨. Help users recognize, diagnose and recover from errors

Ext Google suggestions while sign in is not possible, such as forgot password sign up etc.

⑩. Help and Documentation

Ext Flipcart, linkedin documentation. For every thing even though their User Interfaces are one of the best in market.