

March 23, Sensing and User Models – Evaluating Interactive Systems

Name

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_____ / 10 points _____ %

1) What is a vertical prototype? (1 point)

A vertical prototype does not cover all of a system's functionality, but focuses on one specific area and covers this in detail.

2) Name 3 of the 10 usability heuristics? (3 points)

All ten are

1. Visibility of system status
2. Match between system and real world
3. User control and freedom
4. Consistency and standards
5. Error prevention
6. Recognition rather than recall
7. Flexibility and efficiency of use
8. Aesthetic and minimalistic design
9. Help users recognize, diagnose and recover from errors
10. Help and documentation

2) Assume you have the following user interface (it is actually Google Drive, web interface).

Your task is to upload a file from your laptop.

The first user actions are

Open Google Drive in the Web (Screenshot 1)
Click on “New”

2a) Identify the subsequent system responses and **user actions** (3 points – one is withdrawn for every obviously missed step)

System Response: Show selection menu that includes the option to upload a file
(Screenshot 2)

Select File

System Response: Highlight File

Click on “File upload”

System Response: Open File Selector (Screenshot 3)

Navigate through File System to choose file
Click on “Open”

System Response: File appears in list

2b) For the user action “Click on New”, answer the following questions (4 points)

- Does the user action “Click on New” have an effect on the system that is the same as the user’s goal? (Yes/No)

No (the goal is to upload a file, Click on New only indirectly leads to this)

- Can users see that the action “New” is available? (Yes/No)

Yes

- Once users have found the action “New” will they understand that it is the one they needed? (Yes/No)

No – not without trying it out

- After the users have carried out the action (=clicked on “New”), will users understand the feedback they got, i.e. be able to understand whether they did the correct thing? (Yes/No)

Yes (they see the option “File Upload”)

Screenshot 1: Google Drive Overview

Google Drive interface showing a list of files and folders in 'My Drive'. The interface includes a search bar, a 'NEW' button, and a sidebar with navigation options like 'My Drive', 'Shared with Me', 'Recent', 'Starred', and 'Trash'.

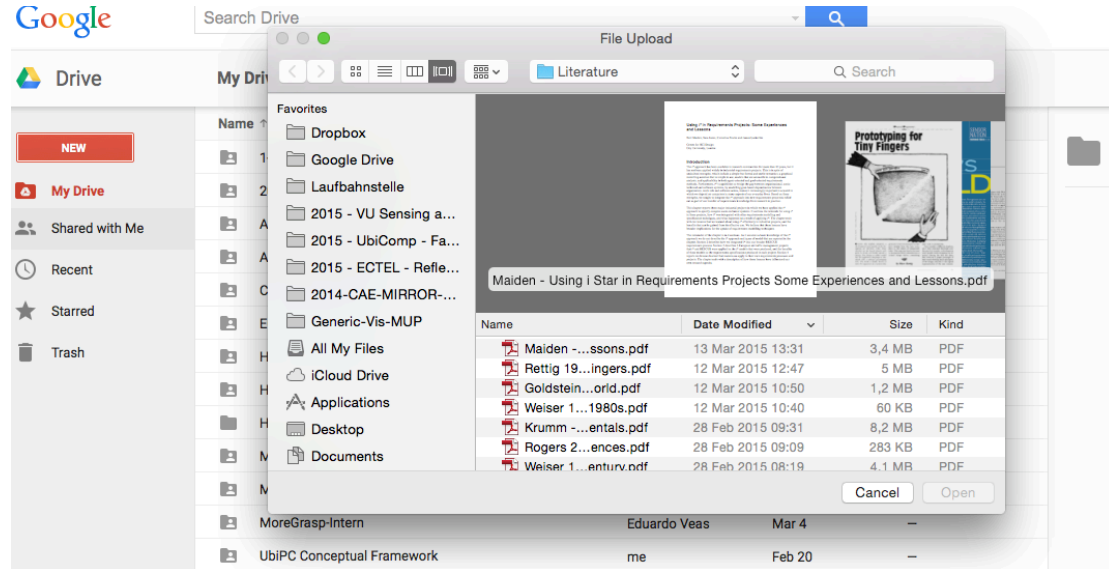
Name ↑	Owner	Last modified	File size
1-Ubicomp-in-Industry	Eduardo Veas	Feb 16	—
2012-IJTEL - CSRL Model and Technology SotA	me	Feb 23, 2012	—
ARTEL	Thomas Ullmann	Feb 23	—
ARTEL 2012 at ECTEL	me	Jun 18, 2012	—
Context-WS-Graz-2011-05	me	Oct 30, 2011	—
EC-TEL 2014	Timo Tobias Ley	Sep 20, 2014	—
H2020-ICT-10_Collective Awareness Platforms for Sus...	Timo Tobias Ley	Mar 8	—
H2020-ICT-20_Augmented Social Cognitive Interface	Timo Tobias Ley	Mar 14	—
HCI @ Stanford	me	Jun 26, 2012	—
MIRROR	Nils Faltin	Aug 29, 2014	—
MoreGRASP	Gernot Müller-Putz	10:01 am	—
MoreGrasp-Intern	Eduardo Veas	Mar 4	—
UbiPC Conceptual Framework	me	Feb 20	—
Ubiquitous Working_Viktoria und Bettina	Bettina Renner	Feb 2	—
Vikis Docs	me	Mar 21, 2011	—
2010-03-10_MIRROR_gantt.vsd	me	Jun 28, 2010	537 KB
2011-11-02 - WP4 - KC - View on Refl Learning Foc...	me	Nov 3, 2011	198 KB

Screenshot 2: New...

Google Drive interface showing the 'NEW' menu open. The menu options are: Folder, File upload, Google Docs, Google Sheets, Google Slides, and More. The background shows the same list of files and folders as in Screenshot 1.

Name ↑	Owner	Last modified	File size
2-IJTEL - CSRL Model and Technology SotA	me	Feb 23, 2012	—
ARTEL	Thomas Ullmann	Feb 23	—
ARTEL 2012 at ECTEL	me	Jun 18, 2012	—
Context-WS-Graz-2011-05	me	Oct 30, 2011	—
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Screenshot 3: Select File



Screenshot 4: Upload Complete

