

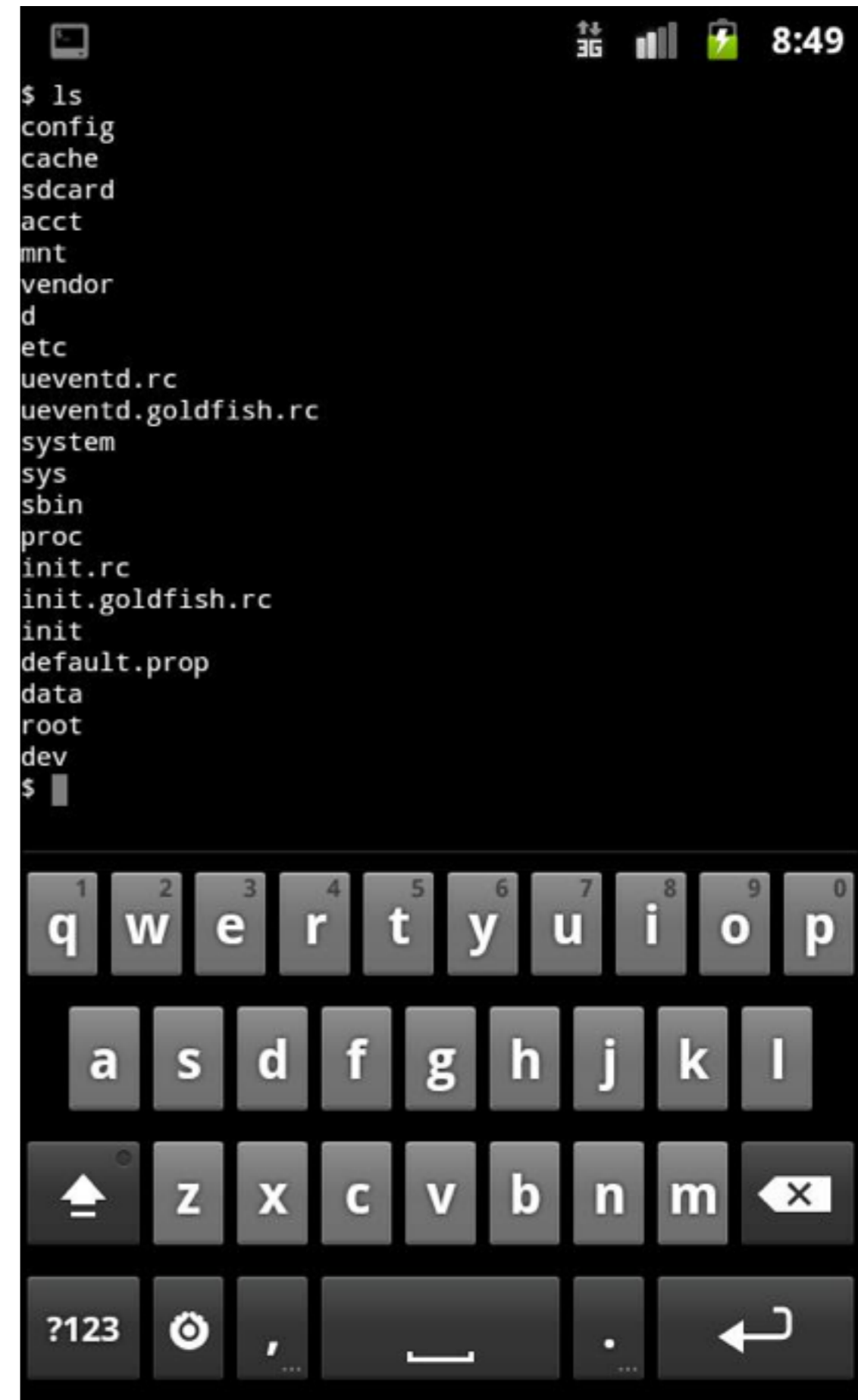
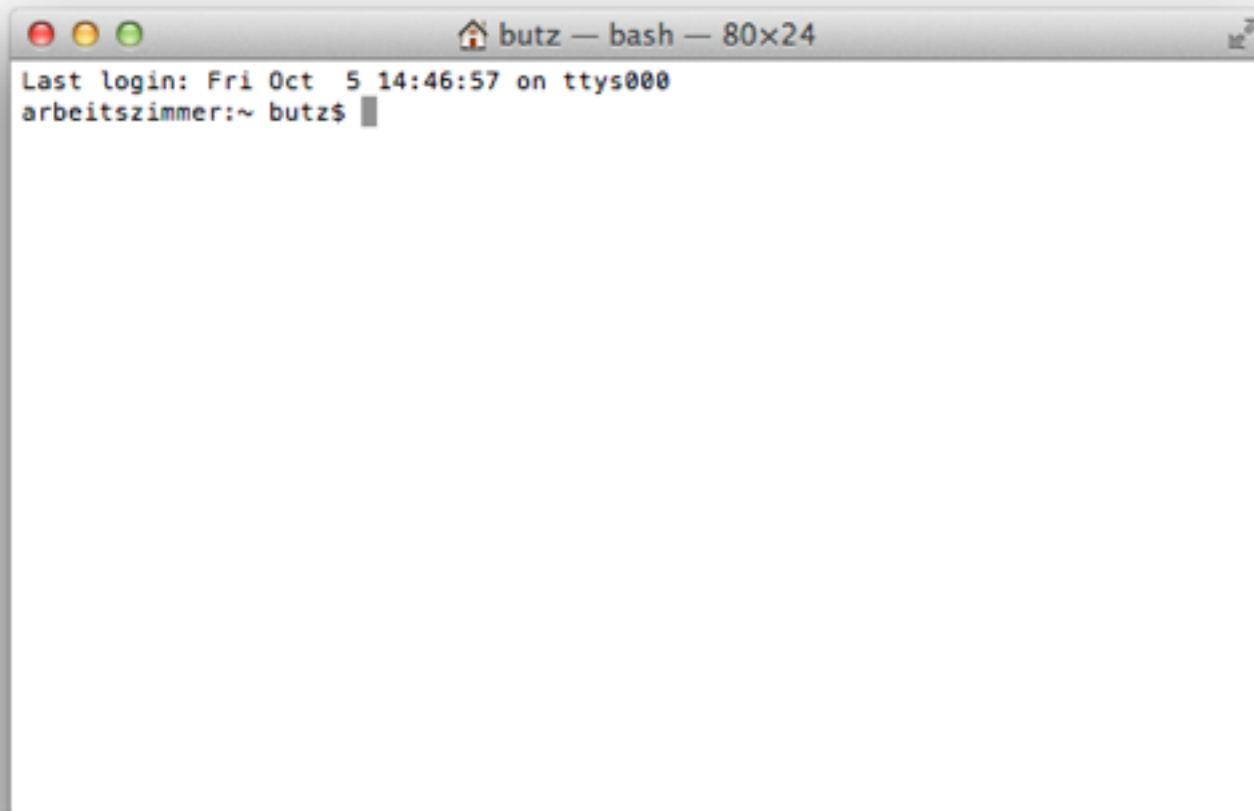
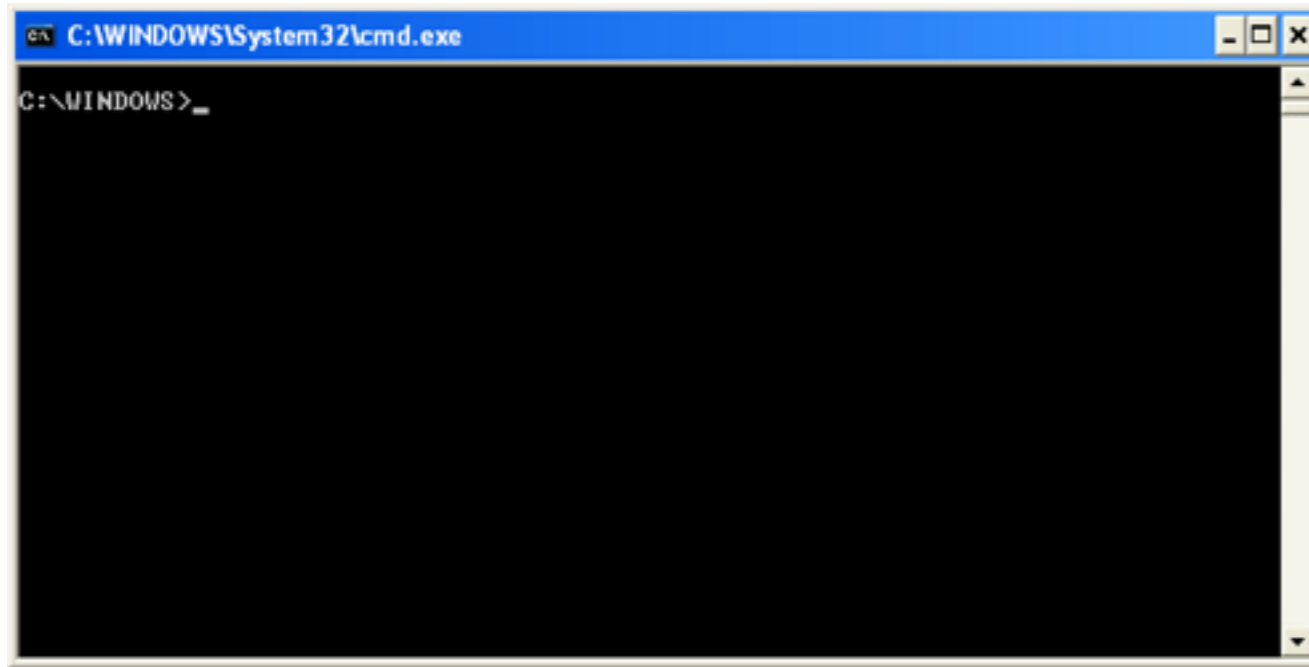
Mensch-Maschine-Interaktion



Kapitel 8 - Etablierte Interaktionsstile

- Kommandos
- Dialoge
- Suche und Browsen
- Direkte Manipulation
- Interaktive Visualisierungen

Kommandozeilen



<https://play.google.com/store/apps/details?id=jackpal.androidterm>

Kommandos auf Tasten



<http://www.logitech.com/assets/50806/6/harmony-ultimate-one.jpg>

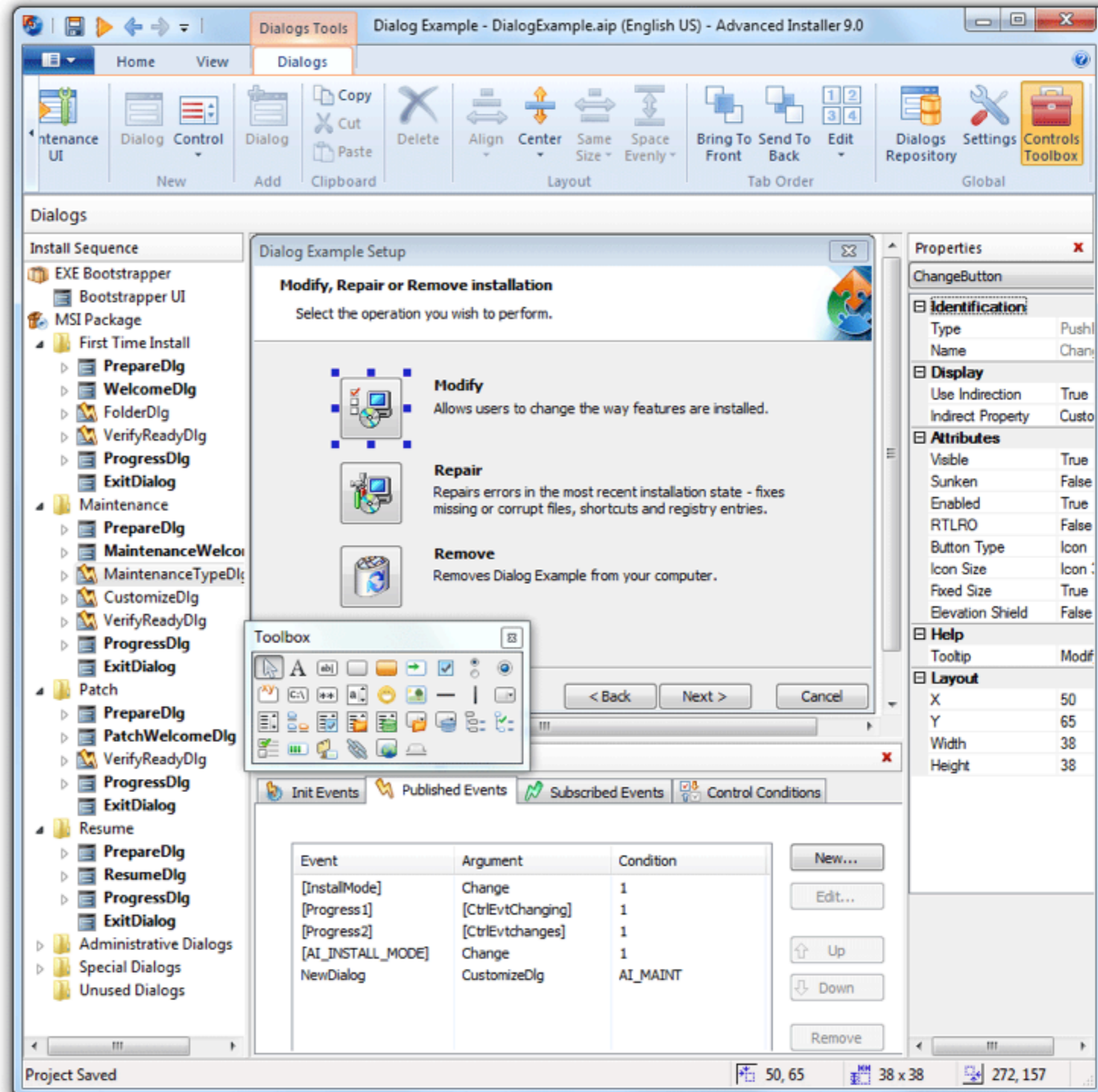


<http://www.bsks.info/Handicaped/fernbedienung.jpg>

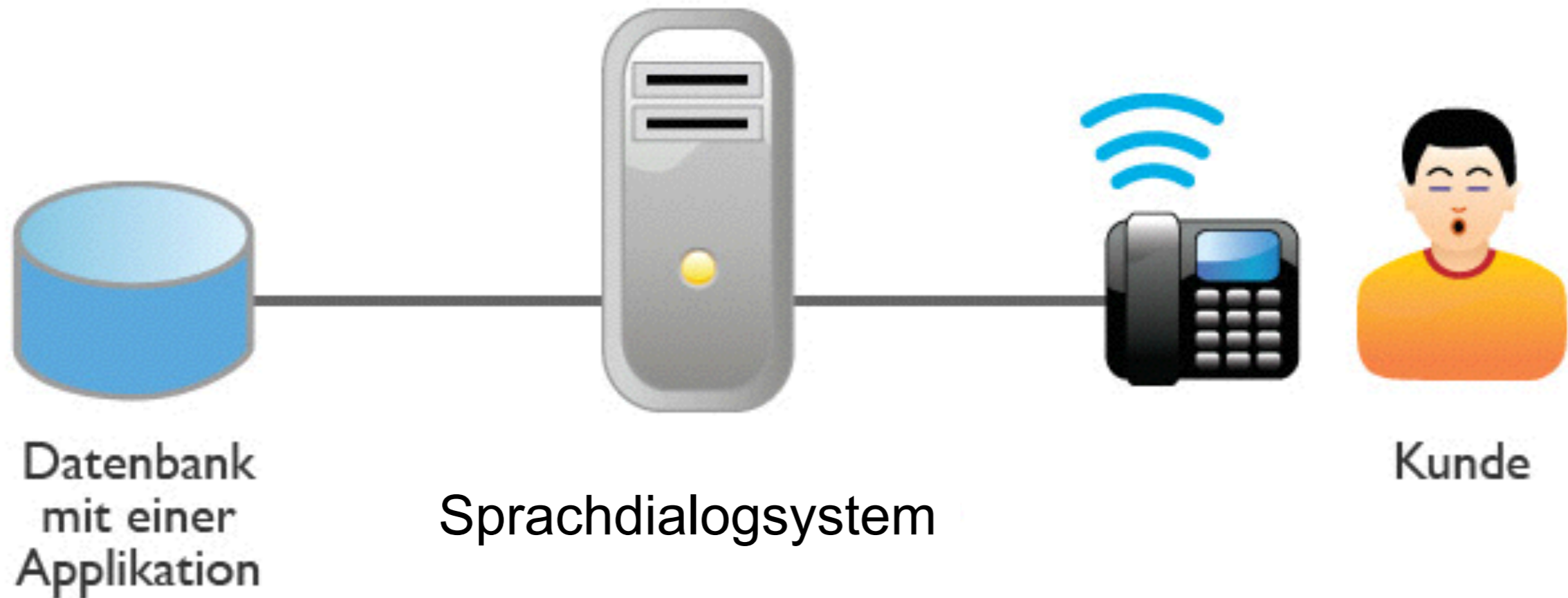
Kapitel 8 - Etablierte Interaktionsstile

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Bildschirm- dialoge



Sprachdialogsysteme



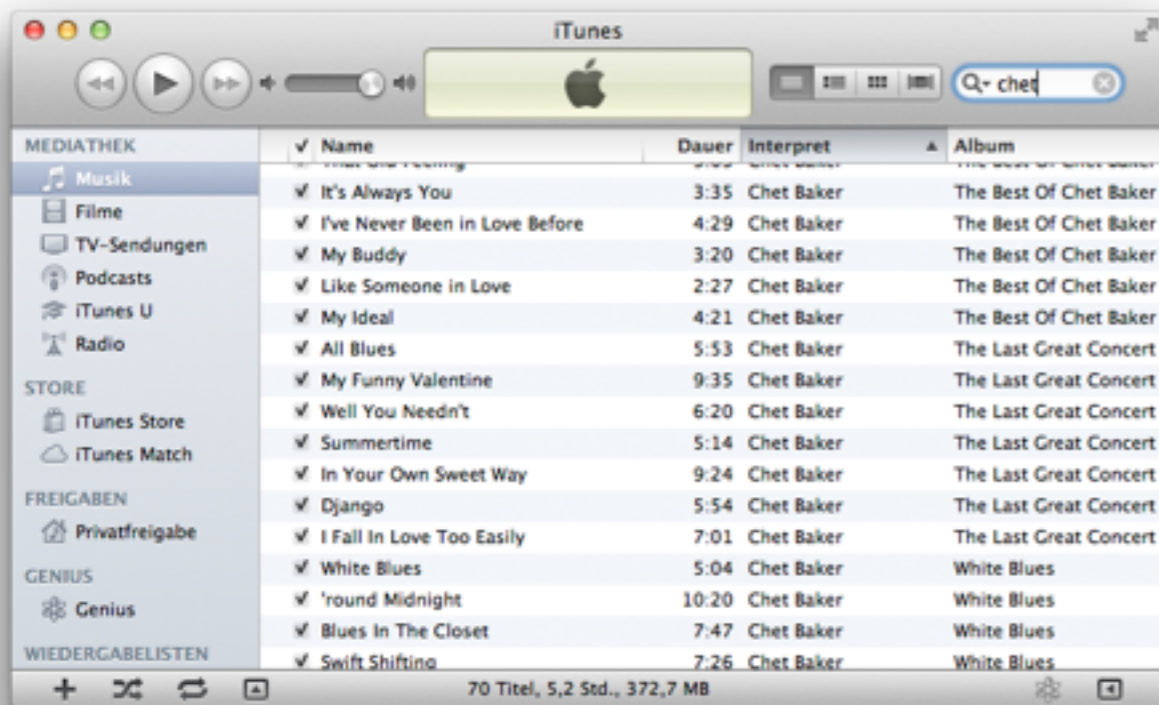
Dialog vs. Kommandos



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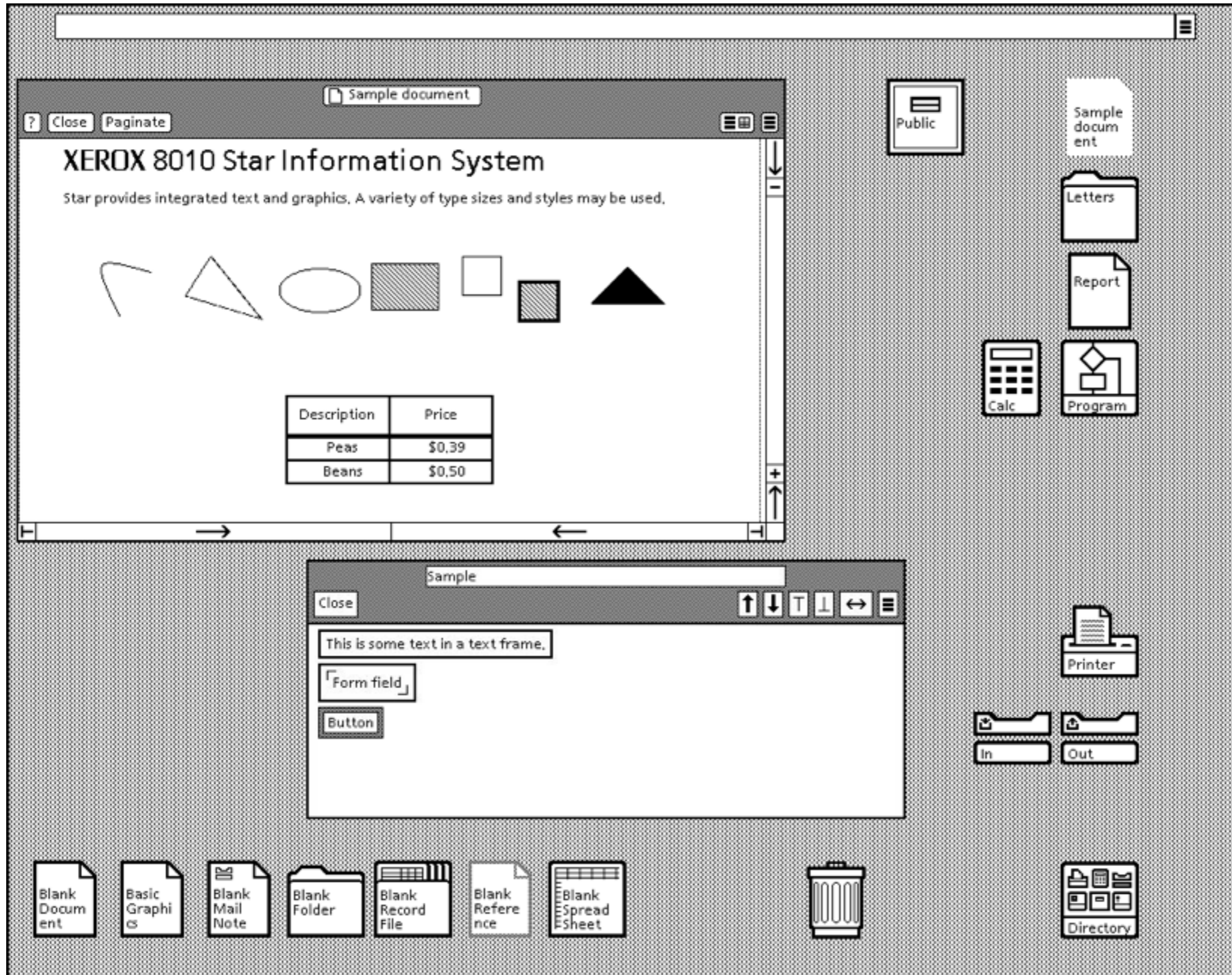
Suchen oder Stöbern?



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Das erste DMI Interface



3 Charakteristika von DMI

- **Visibility of Objects and Actions**
 - Sichtbarkeit aller Objekte und Aktionen
- **Rapid, reversible, incremental actions**
 - schnelle, umkehrbare, schrittweise ausführbare Aktionen
- **Replacement of complex command-language syntax with direct, visual manipulation of the object of interest**
 - direkte, visuelle Manip. der Objekte statt komplizierter Kommandos



http://upload.wikimedia.org/wikipedia/commons/thumb/b/b9/Ben_Shneiderman_at_UNCC.jpg/220px-Ben_Shneiderman_at_UNCC.jpg

Kapitel 8 - Etablierte Interaktionsstile

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Infovis Beispiel: Paperlens

Home
Find:
Go

Popularity of Topic (152 papers)

General (58)

Dynamic Queries (28)

Graph Vis (19)

Focus+Context (16)

Tree Vis (31)

1995 (18) 1996 (19) 1997 (16) 1998 (15) 1999 (19) 2000 (20) 2001 (22) 2002 (23)

User Study: Yes No Planned

Selected Authors

- S. K. Card Clear X
- J. Mackinlay Clear X
- George Robertson Clear X

Authors: 315

First Name	Last Name	# Pap..
George	Otto	1
Thomas	Overbye	1
Alex	Pang	2
Christian	Panse	1
J.	Paris	1
K.	Pennock	1
A.	Pernicks	1
Ken	Perrine	1
E.	Petajan	1
M.	Pichler	1
Linda	Pickle	2
Catherine	Plaisant	2
Zvi	Polunsky	1
M.	Pottier	1
Sandeep	Prabhakar	1
Pearl	Pu	1
R.	Rao	1
James	Rayson	1
Johan	Redstr?	2
K.	Reichenberg_	1
S.	Reiss	1
T.	Rhyne	1
Randy	Ribler	1
John	Riedl	2
D.	Roberts	1
E.	Robertson	2
George	Robertson	1
Kernv	Rordden	1

Degrees of Separation Links

From: ● S. K. Card To: ● 3 Allison Woodruff

```

graph TD
    A[S. K. Card] --> B["The structure of the information visualization design space (1997)"]
    B --> C[J. Mackinlay]
    C --> D["Visualizing Data with Bounded Uncertainty (2002)"]
    D --> E[Chris Olston]
    E --> F["Getting Portals to Behave (2000)"]
    F --> G[Allison Woodruff]
    
```

InfoVis Papers by George Robertson, J. Mackinlay, S. K. Card

Year	Title	Author
1997	The structure of the information visualization design ...	S. K. Card, J. Mackinlay
1999	Sensemaking of Evolving Web Sites Using Visualiz...	Ed Huai-hsin Chi, S. K. Card
1999	Constellation: A Visualization Tool for Linguistic Qu...	T. Munzner, Francois Guimbretiere, George ...
2002	Visualizing Data with Bounded Uncertainty	Chris Olston, J. Mackinlay

Year by Year Top 10 Cited Papers

Overall

Legend: ■ CHI ■ InfoVis ■ Etc

1995 1996 1997 1998 1999 2000 2001 2002

leider kein Video zu Paperlens...

The screenshot shows a web browser with several tabs open, including 'Raunk - Jeremy Keeshin', 'Raunk', 'Raunk - Best Movies', and 'Raunk - Best Beers'. The main content area is titled 'Best Movies' and compares two users: Jeremy Keeshin and Zach Galant. Each user's list is represented by a vertical bar chart where the height of the bar at position 1-9 indicates the number of movies ranked in that position. Below the charts is a '+ Add Another User' button. At the bottom, there is a footer with copyright information and links to social media and terms of service.

Feedback

raunk [+ Create a List](#) Jeremy

Best Movies

Jeremy Keeshin X Zach Galant X

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9

[+ Add Another User](#)

Images:
Click the number at the bottom of a column to highlight the entire column.

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