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User interface for learning

- Aim:
 - Design for and evaluate learnability
 - Writing inline help
 - Basis for Assignment 5
- Core literature
 - Chapter 6
- · Additional literature
 - Grossman et.al. (2009) A Survey of Software Learnability: Metrics, Methodologies and Guidelines
 - Furnas et.al. (1987) The vocabulary problem in human-system communication
 - Laue (2017) Anti-Patterns in End-User Documentation
 - Purchase and Worrill (2002) An empirical study of on-line help design: features and principles





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Help button \rightarrow Document						
dhis2	DHIS 2 Den	no - Sierra Leone		Maintenance	Services	Profile
Chis2 Sierra Leone ⇔Badjia →Rgelehun CHC →Ngalehun CHC →Ngalehun CHC →Ngalehun CHC ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Bargbo ⊕Jaiama Bongor ⊕Kakua ⊕Komboya ⊕Tikonko ⊕Niewa Lenga ⊕Selenga ⊕Tikonko ⊕Nawa Lenga ⊕Selenga ⊕Tikonko ⊕Nawa Lenga ⊕Selenga ⊕Tikonko ⊕Nawa Lenga ⊕Selenga ⊕Tikonko ⊕Nawa Lenga ⊕Selenga ⊕Tikonko ⊕Nawa Lenga ⊕Selenga ⊕Tikonko ⊕Rombali ⊕Bombali ⊕Bombali ⊕Rombali	DHIS 2 Den	Data Entry ? Organisation Unit Data Set Period Mini Instr	Sierra Leone [Select data set] mal Manual? ructions?	Maintenance Services Profile × Sierra Leone - No Period Select × Sierra Leone - No Period Select × Data entry with DHIS 2 To open the data entry window click on the services tab displayed in the main more. A drog down menu will appear listing the services provided by DHIS 2. Click on the Data Entry option. The data entry module is where data is manually registered in the DHIS 2 database. Data is registered for an organisation unit, a period, and a set of data elements (data set) at a time. A data set often corresponds to a paper-based data collection tool. Selecting the data entry form To start entering data the first step is to open the correct form. Follow these steps: 1. Cocate the orgunity ou want to register data for in the tree menu to the left. Expand and close thranches by clicking on the vi- symbols. Aquick way to find an orgunit is to use the search box just above the tree (the green symbol), but you		
		Stru	ctural model?	need to write it	r no nan naine to get a	13





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Learnability evaluation						
	Software	Help functionality				
Heuristic evaluation	Specialists checking software	Specialists checking help functions				
Questionnaire	Software	Help				
Question-suggestion	Software tasks	Help tasks				
Measuring learning	Software tasks	Help tasks				
		20				



Heuristic evaluation – software and help

3 independent learnability experts

• checking all parts of the software and help functionality against the heuristics:

- 1. Visibility of system status
- 2. Match between system and the 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 minimalist design
- 9. Help users recognize, diagnose, and recover from errors
- 10.Help and documentation

- 1. Instruction sheets or videos.
 - 1. Sequential
 - 2. Recognisable
 - 3. Short
 - 4. Direction
 - 5. Complete and Feedback
 - 6. Users' terminology
- 2. Functional and structural models
 - 1. Recognizable
 - 2. Examples
 - 3. Targeted to user group
 - 4. Include abstract entities

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