



CSPRO Android Workshop
International Labor Organization
Geneva, September 18-29, 2017
Agenda

Day	Topics
Monday Sep 18	<p>Welcome and introductions</p> <p>Exercise: Collecting data on tablets with a simple questionnaire</p> <p>Transitioning from paper to CAPI</p> <p>Overview of CSPRO</p> <p>Introduction to the example questionnaire</p> <p>Data dictionary</p> <ul style="list-style-type: none"> Records, items, sub-items Multiply occurring records and items Value sets <p>Creating data entry forms</p> <ul style="list-style-type: none"> Rosters and multiplying occurring forms, roster control fields <p>Running data entry applications on Android</p> <ul style="list-style-type: none"> Differences between Windows and Android <p>Lab work: create a few records and form using example questionnaire and run it on Android</p>
Tuesday Sep 19	<p>Logic: skips and consistency checks</p> <ul style="list-style-type: none"> Conditional statements (if then else) Skips, Skip to next, ask if, endgroup, endlevel Preproc, postproc Auto fills (protected fields) Questions with "other-specify" Error messages, errmsg with select Edit checks with multiple variables Hard and soft checks (reenter, warning) Testing consistency checks <p>Lab work: add skips and consistency checks to sample application</p>
Wednesday Sep 20	<p>CAPI Features</p> <ul style="list-style-type: none"> Capture types Multiple response questions (checkboxes) CAPI text, fonts, colors Fills in CAPI text Supporting multiple languages in dictionary, question text and error messages <p>Lab work: Add CAPI text and multiple languages to sample application</p>
Thursday Sep 21	<p>Data transfer (synchronization) and export</p> <ul style="list-style-type: none"> Synchronization in CSPRO Synchronization with web server/FTP/Dropbox Using DataViewer to download synchronize data Peer to peer synchronization in the field using Bluetooth Synchronization from logic Export data to Excel, SPSS, STATA, R <p>Lab work: synchronization export data and batch edit</p>
Friday Sep 22	<p>Introduction to Menu Programs</p> <ul style="list-style-type: none"> Launching one data entry program from another Techniques for structuring menu programs

	<p>Synchronization in menu programs</p> <p>Evaluations & presentation of certificates for those attending first week only</p>
<p>Saturday Sep 23</p>	<p>Group projects</p>
<p>Monday Sep 24</p>	<p>Consistency checks on rosters</p> <ul style="list-style-type: none"> Logic variables Subscripts Rosters and subscripts: consistency checks across rosters Blanks, notappl and missing Proc global Order of procs (level, group, variable) Loops <p>Lab work: add consistency checks to rosters in sample application</p>
<p>Tuesday Sep 25</p>	<p>Advanced dictionary and dynamic value sets</p> <ul style="list-style-type: none"> Structure of the data file (text files/csdb files) Dictionary macros and working with Excel Consistency checks on dates Occurrence labels - getocclabel() Case labels Dynamic value sets (setvalueset), onfocus Cascading (hierarchical) questions <p>Lab work: dynamic value sets</p>
<p>Wednesday Sep 26</p>	<p>Advanced Data Entry Topics</p> <ul style="list-style-type: none"> Lookup files User defined functions Adding userbar buttons for navigation Going back to skipped fields Skip, advance and move Visualvalue and looking ahead Add mode and modify mode Show and showarray Making CSPro applications more modular <p>Lab work: use lookup files for consistency checks and dynamic value sets in sample application, add navigation menu to sample application</p>
<p>Thursday Sep 27</p>	<p>Advanced Menu systems</p> <ul style="list-style-type: none"> Creating and writing files using filewrite Generating and viewing reports in text and HTML Writing out a pff file to prefill fields in launched application (pff editor) Viewing GPS points in Google Earth Deployment of multiple applications on Android <p>Lab work: create advanced menu system for example questionnaire</p>
<p>Friday Sep 28</p>	<p>Batch Edit and Advanced Synchronization</p> <ul style="list-style-type: none"> Using batch edit for post collection checks Using batch edit to add derived variables Setting up CSWeb server for synchronization <p>Lab work: batch edit</p> <p>Evaluations</p> <p>Presentation of certificates and closure</p>