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<ul> <li>Transaction Files - Made up of the processes exchanged between the user, the internal files, and the external files         <ul> <li><u>External Inputs (EI)</u>: User inputs that provide data</li> <li><u>External Outputs (EO)</u>: Output to users such as reports, screens, error</li> </ul> </li> </ul>
<ul> <li><u>External Inquiries (EQ)</u>: Data sent to other applications</li> <li>Each Transaction Function is broken down into File Types Referenced (FTRs) and then into Data Element Types (DETs)</li> </ul>
<ul> <li>Data Functions - Made up of the Internal and External "resources" that affect the system</li> <li>Internal Logical Files (ILF): Online input that results in software response</li> </ul>
<ul> <li><u>External Interface Files (EIF)</u>: Machine readable interfaces used to transmit information to another system (disks and tapes)</li> <li>Each Data Function is broken down into Record Element Types (RETs)</li> </ul>
and then into Data Element Types (DETs) Software Engineering, A Practitioner's Approach, 3 <sup>rd</sup> ed, Roger S. Pressman, McGraw Hill, Inc., 1992 Unit IV - Module 12 NEW! 26































































































	Resources	v1.2
· · · · · ·	<ul> <li>[Reifer] "Quantifying the Debate: Ada vs. C++," Donald J. Reifer, <i>Crosstalk: The Journal of Defense Software Engineering</i>, Vol. 9, Number 7, July 1996</li> <li>[Jensen] "Software Estimating Model Calibration," Randall W. Jensen, <i>Crosstalk: The Journal of Defense Software Engineering</i>, Vol. 14, Number 7, July 2001</li> <li>[Jones 1] <i>Applied Software Measurement: Assuring Productivity and Quality</i>, 2<sup>nd</sup> ed, Capers Jones, McGraw Hill, 1996</li> <li>[Jones 2] <i>Estimating Software Costs</i>, T. Capers Jones, McGraw Hill, 1998</li> <li><i>COCOMO II</i>, <u>http://sunset.usc.edu</u></li> <li>[PRICE S] <i>PRICE S Users Manual</i>, Price Systems, <u>http://www.pricesystems.com</u></li> <li>[MIL STD 498] <i>Military Standard 498, "Software Development and Documentation,"</i> December 1994</li> <li>[IEEE] <i>IEEE/EIA 12207.2-1997, IEEE/EIA Guide, Industry Implementation of International Standard ISO/IEC 12207; 1995, Standard for Information Technology, Software Life Cycle Processes - Implementation Consideration,</i> April 1998</li> <li>[MIL-HDBK-881A] Department of Defense Handbook Work Breakdown Structures for Defense Materiel Items, July, 2005</li> <li>[SEI-CMM] <i>Capability Maturity Model for Software, Version 1.1,</i> Paulk, Mark C. et.al., Software Engineering Institute, Carnegie Mellon University, February 1993</li> <li>[Schaaf] "Agility XL", Schaaf, R.J., Systems and Software Technology Conference 2007, Tampa, FL, 2007</li> </ul>	
IQEA	A CEBok Unit IV - Module 12 77	