ABSTRACT

LOOOP (Learning Objects in Object Oriented Programming) is an Electronic Learning (E-Learning) system that is developed in an object-oriented programming based on Learning Objects approach for higher education students. It uses an informational type of Learning Objects technology. The motivation of the project is to provide an alternative system for learners in support learning, provides supportiveness for learners in finding and recording information, provides communication tool for learners as well as to give immediate feedback promptly to learners who need information. This system does not only provide user with learning contents, but also provides information searching using the Internet via Google.com. A LOOOP complete system is a client-server application that executes on the client’s computer and retrieves its learning contents from server or from the client’s computer itself. This system is developed to support learners who want to study in a new study environment that transforms normal study style into digital environment. To develop fully, linear sequential model is selected as LOOOP project methodology. Visual Basic is the programming language used in the project implementation. Besides a client-server application, ActiveX control and DLL file are also created in this project for reusability and interoperability purpose. In addition, LOOOP language, which is a similar XML standard language, is used for data passing within database and the system. As a conclusion, a depth defined and designed of LOOOP includes its input, output and methodology are required to perform at preliminary stage to ensure LOOOP is developed in the correct path.
APPRECIATION

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<td>ADL</td>
<td>Advanced Distributed Learning initiative</td>
</tr>
<tr>
<td>AICC</td>
<td>Aviation Industry Computer-Based Training Committee</td>
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<tr>
<td>API</td>
<td>Application Program Interface</td>
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<tr>
<td>CBT</td>
<td>Computer-Based Training</td>
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<tr>
<td>CD</td>
<td>Compact Disc</td>
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<tr>
<td>COM</td>
<td>Component Object Model</td>
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<td>CPU</td>
<td>Central Processing Unit</td>
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<td>Entity Relationship Diagram</td>
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<td>ERP</td>
<td>Enterprise Resource Planning</td>
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<td>GUI</td>
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<td>LMS</td>
<td>Learning Management System</td>
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<td>LOOOP</td>
<td>Learning Object In Object-Oriented Programming</td>
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<td>MIT</td>
<td>Massachusetts Institute of Technology</td>
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<tr>
<td>RAM</td>
<td>Random Access Memory</td>
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<tr>
<td>SCO</td>
<td>Sharable Content Object</td>
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<td>SCORM</td>
<td>Sharable Content Object Reference Model</td>
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<td>SDLC</td>
<td>Software Development Life Cycle</td>
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<td>Extensible Markup Language</td>
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