



Systems Development

Lexian can assist you by designing and developing custom software to meet your business requirements. Specifically Lexian can:

Improving the effectiveness of your business with custom-designed, intuitive and user-friendly software.

- ◆ Develop new or enhance existing spreadsheets and databases with custom macros.
- ◆ Incorporate optimisation and simulation into existing spreadsheets.
- ◆ Develop stand-alone tools in a variety of programming languages.
- ◆ Assist in the management of and access to data in a variety of databases.
- ◆ Train your staff in standard and purpose-built tools.
- ◆ Host applications and databases for centralised access and maintenance.

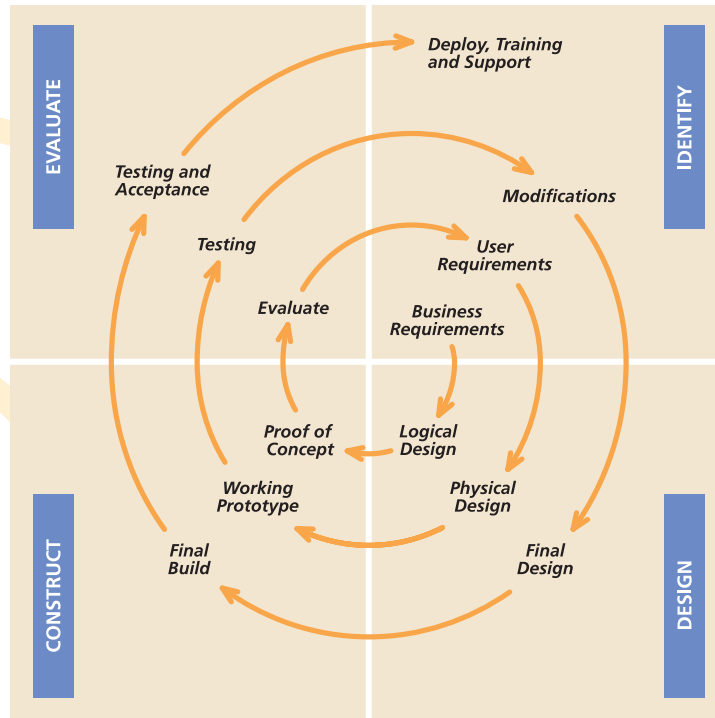
Lexian will form a combined project team with key users and other members of your staff. The development is then tightly scoped and planned to ensure that business and user requirements are met in a timely manner. A typical project contains at least the following phases:

- ◆ Design
 - ◆ Conduct user survey - define user requirements
 - ◆ Conduct stakeholder survey - define business requirements
 - ◆ Design components
- ◆ Develop
 - ◆ Develop working prototype
 - ◆ Test working prototype
 - ◆ Produce final version
- ◆ Implement
 - ◆ Test final system
 - ◆ Conduct training
 - ◆ Conduct acceptance testing
- ◆ Support

```
public boolean okToAbandon() {
    if (!edited)
        return true;
}
message1.setButtonSet(Message.YES_NO);
message1.setTitle("Text Edit");
message1.setMessage("Save changes?");
message1.show();
switch (message1.getResult()) {
    case Message.YES:
        return saveFile();
    case Message.NO:
        return true;
    case Message.CANCEL:
    default:
        return false;
}
```

Lexian's ability to understand your business needs, and draw on the local knowledge of the users, allows the use of rapid development tools. The Lexian team has extensive experience in:

- ◆ MS Access and MS Excel.
- ◆ Visual Basic and Visual Basic for Applications (Access and Excel).
- ◆ Interbase.
- ◆ Structured Query Language (SQL).
- ◆ Delphi.
- ◆ AMPL and CPLEX.
- ◆ Simulation and optimisation add-ins for spreadsheets.



Members of the Lexian team have worked in the following areas:

- ◆ Development of load building and transport rating software in the steel and timber industries.
- ◆ Implementation of invoicing and payroll, and warehouse management systems.
- ◆ Optimisation and simulation modeling in mining and ship-borne transport.
- ◆ Planning and optimisation software design in various industries.
- ◆ Design and implementation of three-tiered architecture for inventory optimisation software.
- ◆ Time tracking and billing software.
- ◆ Development of sales, order entry, inventory management and invoicing system.