

## SuperPad Studio 3 Specification

### Specification Description of SuperPad Studio

#### Customization Environment

##### 【Specification of SuperPad Studio 3 Main Program】

- The visualized design of SuperPad Studio 3 user interface allows developers to view the look of each user interface as the program executed in designing period.
- According to the system's language setting, SuperPad Studio 3 automatically switches to corresponding language.
- Support the language expansion on program.
- The overall interface of development environment adopts the style of Visual Studio 2005, offering three panels of Project Explorer, Toolbox and Property Panel.
- The panels of Project Explorer, Toolbox and Property Panel are able to be repositioned as developer's preference and the corresponding information will be provided in developing period, which allows developers to view the needed information immediately.
  - ✓ Project Explorer provides the subordinate hierarchy structure of the custom items in a project.
  - ✓ Through clicking and dragging, Toolbox enables developers to add controls to the design interface to design a form.
  - ✓ Property Panel allows developers to adjust the property values of each item.

##### 【Specification of SuperPad Main Designer】

- The visibility of SuperPad toolbars can be set.
- Toolbar buttons can be customized through adding system built-in toolbar buttons or adding custom toolbar buttons.
- Support to simplify the procedure of assigning method to custom toolbar buttons, the assignment is executed by options.

##### 【Specification of Form Designer】

- The visualized design of form controls makes the designing look of controls exactly the same as the look as they are executed.
- The controls of the form can be edited and relocated.

- With alignment-aided line, the control can automatically align the nearby aided lines as it is dragged. Therefore, the controls of the form can be easily and precisely aligned, improving the overall neatness.

#### 【Specification of Code Editor】

- Keywords, types, data types and comments of programming language are presented in different colors.
- Support to automatically check the accuracy of the programming syntax.
- Provide the functions of finding, replacing and moving to the assigned codes.
- Edit functions of Cut, Copy, Paste, Comment Selection, Uncomment selection are provided.
- Quick index ComboBox allows developers to query the entire copy of codes with type, subordinate method, field and property; the cursor can be placed to the index location.
- Auto-List window shows the method, field and property of the object dynamically and immediately as encoding.
- Auto-List window lists all of the overloading parameter items of the method as a basis for users to pass in developing.
- Users can switch between design interface and code editor interface; as the design interface is changed, the corresponding codes will be refreshed automatically.

#### Customization Capability

- Users can set up the related settings of user interface on PC side, and use programming language of VB.Net or C# to customize program.
- The custom functions can be applied to SuperPad on Pocket PC / PC /Tablet PC.
- SuperPad function can be extended through customizing toolbar group, toolbar button, status bar, form, system event, plug-in extension and external device.
- SuperGIS Mobile Engine assemblies can be loaded dynamically, and through refreshing SuperGIS Mobile Engine objects, more GIS objects are provided to use and to extend functions.
- Over 70 built-in toolbar buttons are provided.
- The Form controls adopts the standard controls defined by Microsoft .NET

Compact Framework, and developers can develop the project according to these used.NET CF objects, methods and events.

- A single interface can access all SuperPad object models and developers do not need to memorize the names of various registered global object.
- Through the Auto-List window, users can query or quote all of SuperPad 3 object models and subordinate properties and methods.
- The project can be executed in developing, and SuperPad Studio 3 will automatically complete deployment and activate SuperPad 3. Through the real execution result, we could know if any error exists in the project.

#### Supported Format

- SuperPad 3 can be customized with VB.NET and C# programming language, and users can modify the extension via simple text editor, like Notepad. The custom encoding file formats are \*.vb and \*.cs.
- The plug-in extensions support the compiled redistributable assemblies. If the source codes of the extension need to be kept confidentially as it is released, we can apply the compiled binary assembly, and the file format is \*.dll.
- The project files adopt XML structure, supporting to edit with Notepad or XML editor directly. The project file format is \*.sps.

#### User Interface and Environment

- User interface in Chinese and English.
- User guide in Chinese and English.
- Provide numerous samples

#### System Requirements

- Operating System: Windows 2000/XP/2003/Vista/7