

## IT Case Studies

### 1.1 RapidWKit

#### Project Highlights:

- Simple easily configurable UI Tool
- UI Tool easily extensible
- Built on Extjs, java script framework
- Business component tested well for couple of web applications.

#### Project Details:

<b>Duration of the Project</b>	Ongoing
<b>Language</b>	Java
<b>Tools Used</b>	Eclipse 3.1, Tomcat, ExtJS, Hibernate

#### Business Challenges/Needs:

Web2.0 is changing the paradigm through which user interacts with internet. Modern browsers have advanced Java Script Engines present which helps in advanced DOM Scripting and CSS techniques helps to create RICH Internet Applications. JavaScript with XML XMLHttpRequest can make asynchronous request transfer between browser and server and can manipulate HTML data without user experiencing page refresh. With Browsers following W3C DOM recommendations, developers are able to write browser compatible code.

But the challenge is developing rich web components needs skilled resources in java script, DHTML and CSS or java script frameworks. Components need attention to detail in getting same look and feel in different browsers. Development of these are time consuming and cannot be accommodated in time demanding projects

**Solution:**

RapidWKit is code generating tool generating the most frequently used UI components and basic business logic. Most helpful tool for small and medium sized java based web business applications to increase productivity of developers.

**UI Components Generation:**

WEB 2.0 UI components have become today's trend in web application. Building web components from scratch or by using java script frameworks like ExtJs is always time consuming. RapidWKit is UI based Tool software by which developer can quickly generate code for UI components by configuring parameters on the tool. The generated code is ready to get embedded into UI saving lot of developer's effort.

**Business Logic Generation:**

The major part of web application business methods boils down to basic insert, update, delete and select operations on database. So, most of time is spent on writing table handlers for the database. Given a table name RapidWKit generates, basic table handler with insert, update, delete and select operations. The Data Transfer Objects and Form Objects are generated for communication with UI and database. With this basic operations on tables generated, the developer needs to spend on actual business logic of the application. The Tool can generate "hibernate" version of table handlers too.

**Quality Process:**

Followed the Organizations standard quality process, all the deliverables based on the project phases are available for this project.

## 1.2 Ecoin Ecommerce Site

### Project Details:

<b>Duration of the Project</b>	6 Months
<b>Project Size</b>	20 person Months
<b>Team Size</b>	3
<b>Language</b>	Java
<b>Tools Used</b>	Eclipse 3.1, Tomcat, ExtJS, Hiberante

### Business Need:

Lot of small and medium coin dealers has requirement to use internet media to sell/auction coins. Developing and maintaining business websites by these dealers is costly and difficult. They need easier way to have their coins on internet media.

### Solution:

Ecoin website is B2B portal for coin dealers to sell their coins. Dealers can register in the site and register their coins for selling and auctioning. The coins on website would be administered by the Ecoin Admin. Dealers provide information of the coins, which would be published on the site for internet user buy and auction.

We are developing the backend business code, so that it can be reused for any ecommerce site for selling and auction functionalities. This way developing a new ecommerce site in future would require minimum work on backend services.