

A close-up photograph of a hand typing on a blue keyboard. The focus is on the keys being pressed, with a soft blue glow over the entire scene.

Chatty[®] Apps

Mobile-enabling Web and SaaS
Applications

Demand for Smartphone-enabling Web apps

Thousands of SaaS and Web apps must become mobile-enabled

Smartphones

- Rapid growth
- Next IT platform



- Fueling demand for RIA
- RIA rely on rich forms

- Fastest growing software delivery model
- Requires rich web front-ends and forms



Limitations of Smartphones for running Web apps

✗ Small display size

✗ Many smartphones with different size/functionality

✗ Users work discontinuously

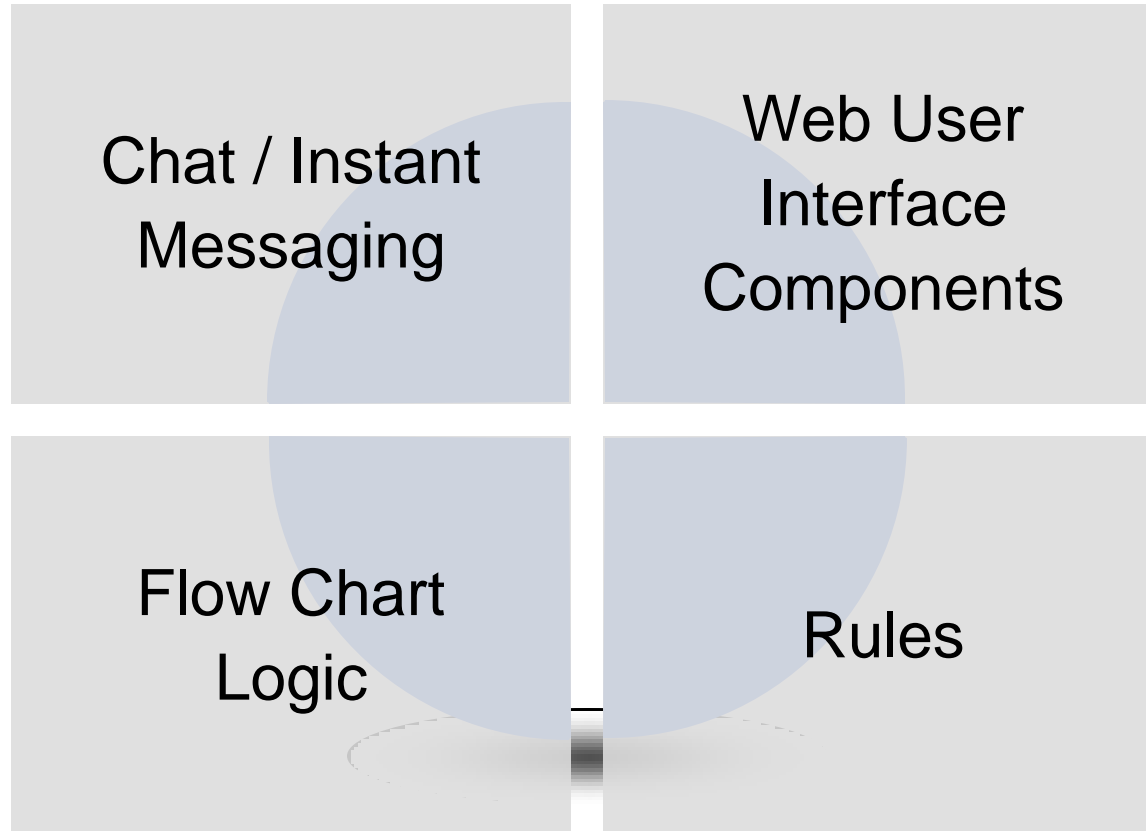
✗ Users need to switch between smartphone and laptop/desktop

✗ Limited bandwidth



Chatty Apps Concept


Unique and **patented** combination of four technologies



A close-up photograph of a hand typing on a smartphone keyboard. The keys are dark and the lighting is soft, creating a blurred background. The text "An Example of Smartphone Enablement" is overlaid on the right side of the image in a white, serif font.

An Example of Smartphone Enablement

Typical Order Form



Pervase
Purchase Order

Vendor Information

Name

Address

Email

Vendor Number

Order Number

Order Date

Order Information

Catalog Number	Description	Quantity	Price
Sub Total			
Less Discount			
Total			

Shipping Information

First Name

Last Name

Address

Zip Code

Billing Information

First Name







Last Name

Address

Zip Code

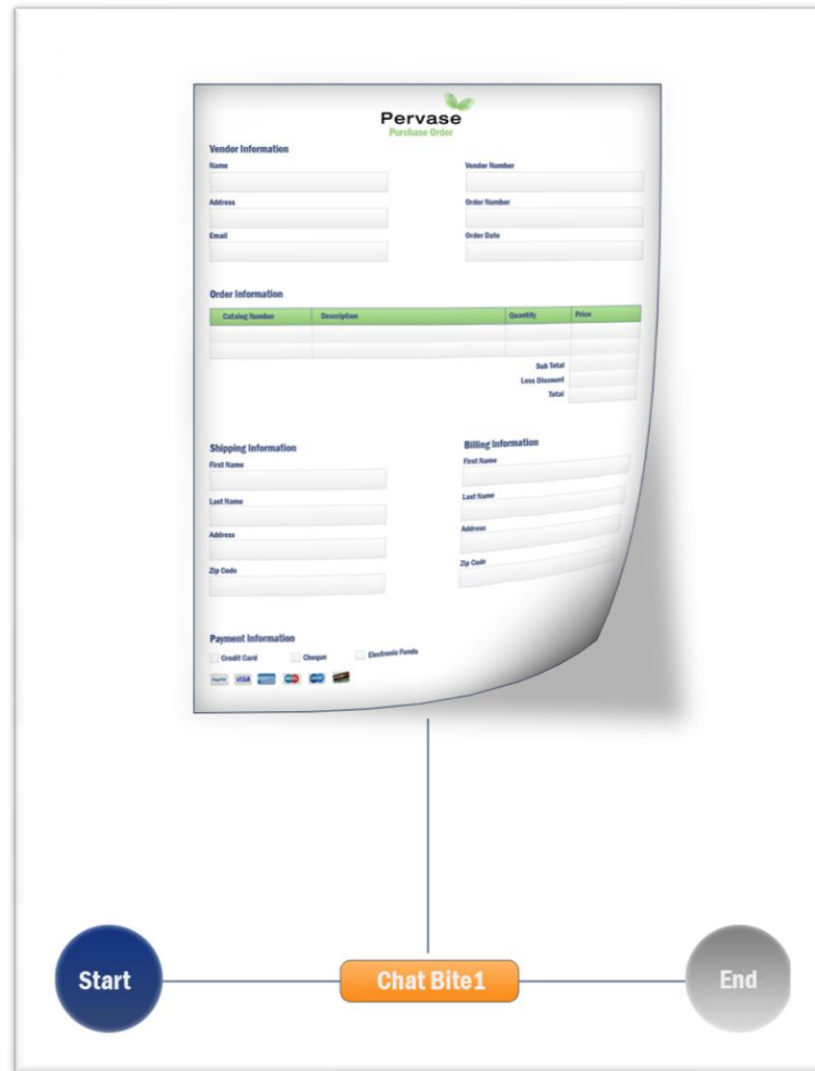
Payment Information

Credit Card
 Cheque
 Electronic Funds



ChatFlow for Desktop



ChatBites for iPhone



Vendor Information

Name

Address

Email

Vendor Number

Order Number

Order Date

Order Information

Catalog Number	Order Information	Price	
Catalog Number	Description	Quantity	Price
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sub Total			<input type="text"/>
Less Discount			<input type="text"/>
Total			<input type="text"/>
Total			<input type="text"/>

Shipping Information

Shipping Information

First Name

Last Name

Address

Zip Code

Billing Information

First Name

Last Name

Address

Zip Code

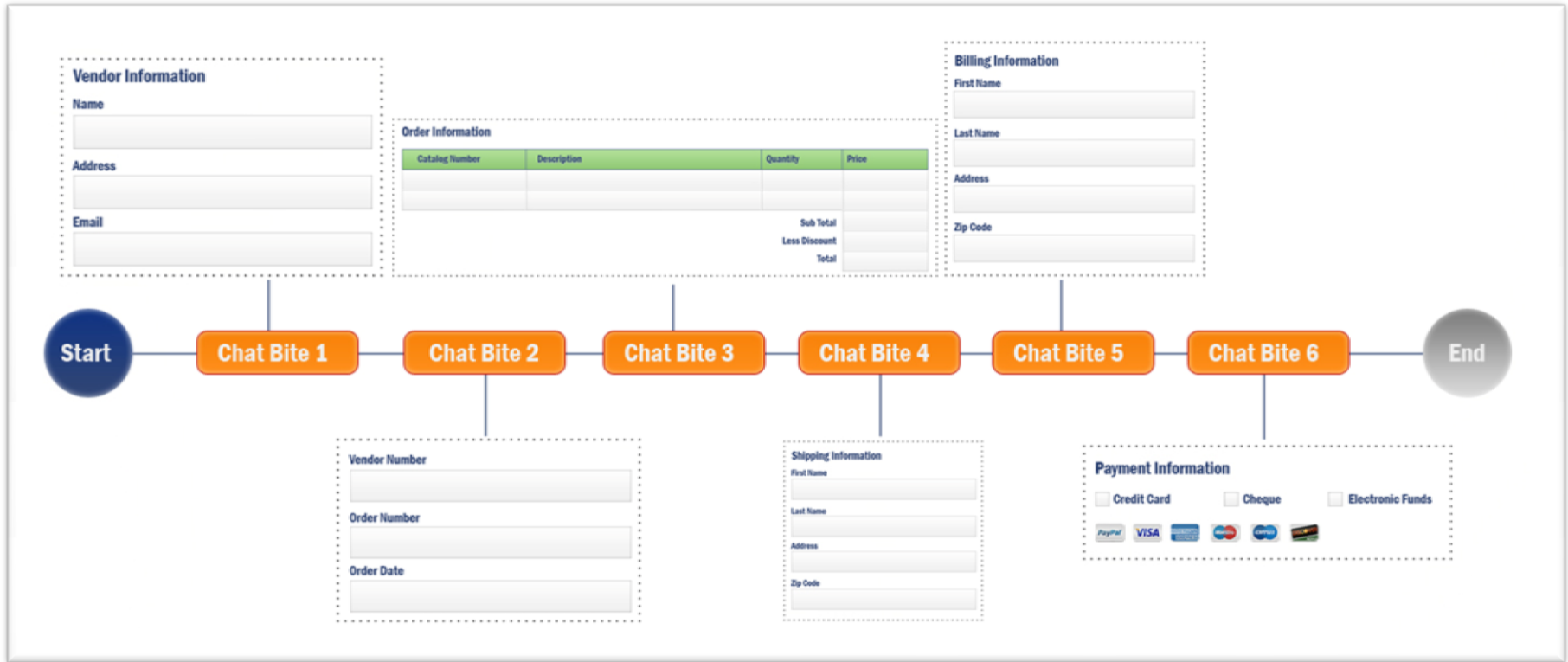
Payment Information

Paym. Cre Credit Card Cheque Electronic Funds

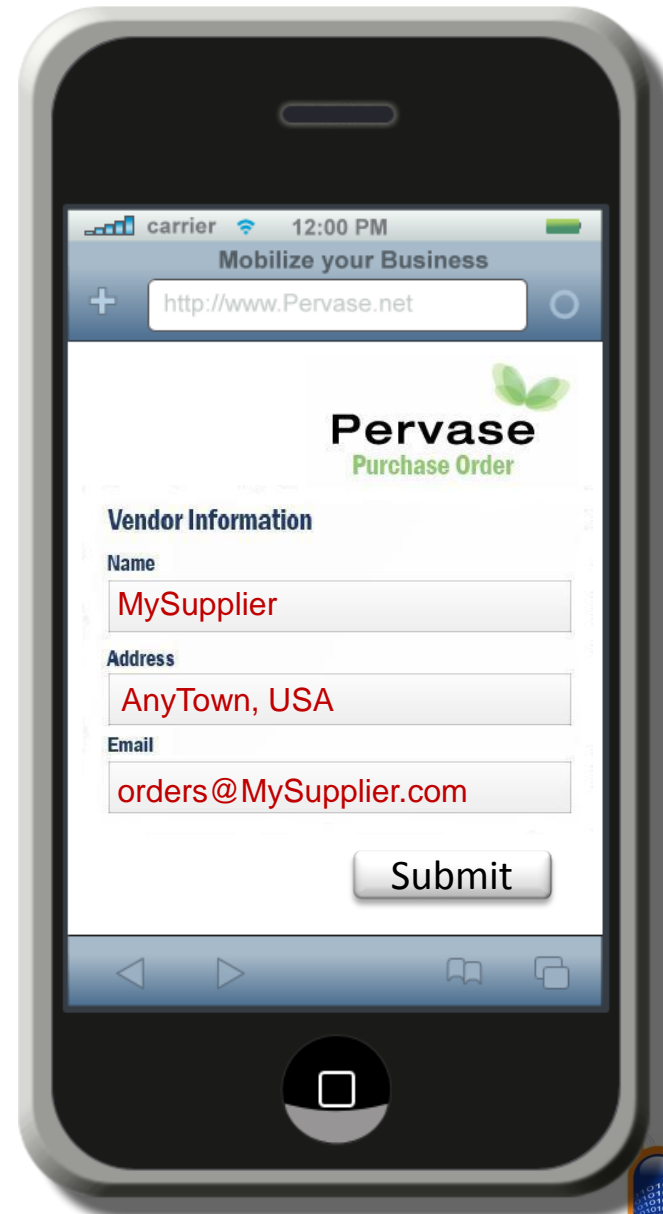
PayPal VISA AMERICAN EXPRESS Maestro Cirrus DISCOVER



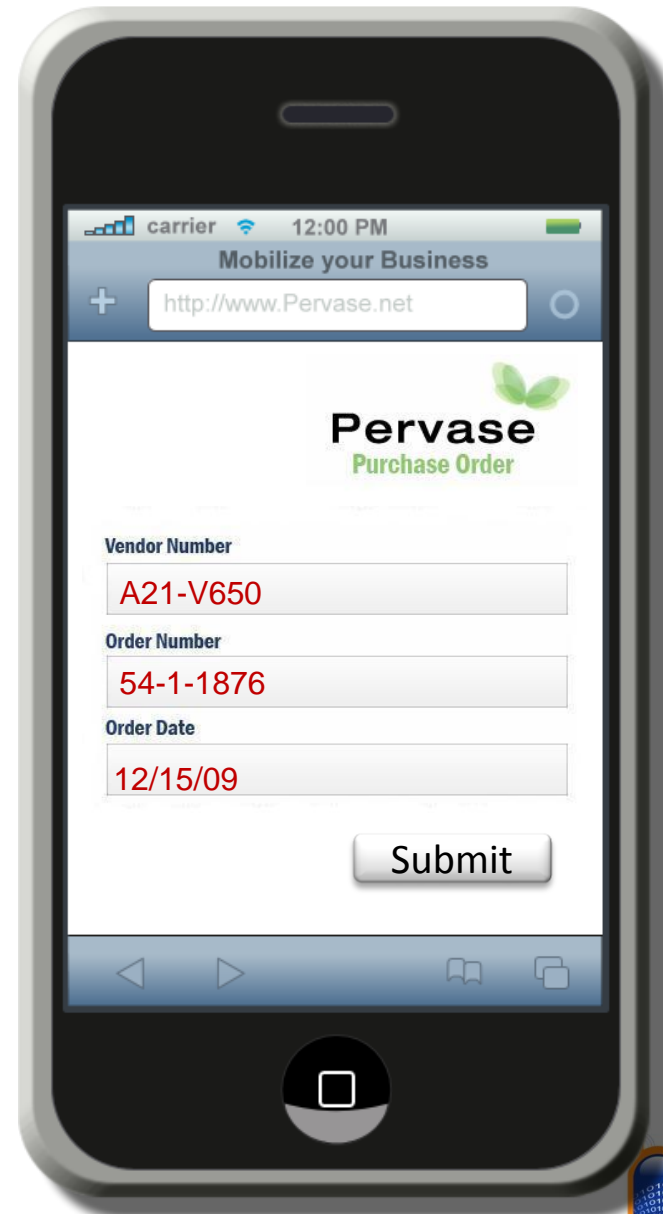
ChatFlow for iPhone



iPhone User at airport decides to place order



iPhone User at airport decides to place order



iPhone User reaches home that night



Pervase
Purchase Order

Vendor Information

Name:

Address:

Email:

Vendor Number:

Order Number:

Order Date:

Order Information

Catalog Number	Description	Quantity	Price
51-396	Set of 12 Apex Pens	2	\$64.32
63-831	Best Copier Paper 100ct	1	\$33.65
Sub Total			\$97.97
Less Discount			\$10.00
Total			\$87.97

Shipping Information

First Name:

Last Name:

Address:

Zip Code:

Billing Information

First Name:

Last Name:

Address:


Zip Code:

Payment Information

Credit Card
 Cheque
 Electronic Funds

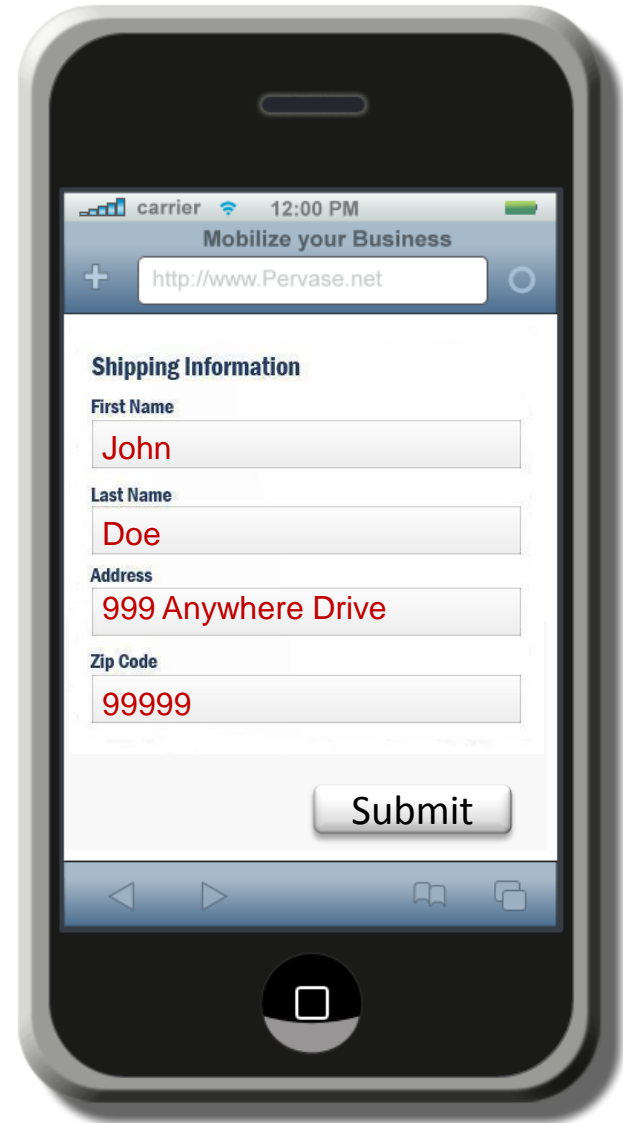






iPhone User at lunch next day



Chatty Apps ideal for Smartphone-enabling SaaS/Web Apps

✓ User interface chunked to fit device size

✓ Support any smartphone with its own ChatFlow and ChatBites

✓ Persistence of data enables discontinuous work

✓ Users can switch devices on the fly

✓ Small ChatBites result in faster downloads



A close-up photograph of a person's finger pressing a key on a blue computer keyboard. The image is slightly blurred, focusing on the action of typing. The background is a soft, out-of-focus blue.

Five Steps to Mobile- enable Your App

1. Drag & Drop to make the Data Model

The screenshot displays the Chatty Solutions software interface. On the left, a sidebar titled 'PurchaseOrder' contains navigation options: 'Actions', 'Flows', 'Data', and 'Rules'. Below these are 'Simple Types' (String, Integer, Decimal, Boolean) and 'Complex Types' (Address, Vendor, Info, Order). The main area, titled 'Chat Data', shows a table of variables and their initial values.

Variables	Initial Values		
Name	Type	Repeated	Formula
VendorInfo	Vendor	<input type="checkbox"/>	
Order1	Order	<input type="checkbox"/>	
Order2	Order	<input type="checkbox"/>	
SubTotal	Decimal	<input type="checkbox"/>	SUM(ListofOrders.SubTotal)
LessDiscount	Decimal	<input type="checkbox"/>	
Total	Decimal	<input type="checkbox"/>	SubTotal-LessDiscount
BillingInfo	Info	<input type="checkbox"/>	
ShippingInfo	Info	<input type="checkbox"/>	
PaymentInfo	String	<input type="checkbox"/>	
CreditCard	String	<input type="checkbox"/>	
Cheque	String	<input type="checkbox"/>	
ElectronicFunds	String	<input type="checkbox"/>	
ActivateBilling	Boolean	<input type="checkbox"/>	
Display	String	<input type="checkbox"/>	
bSameAddress	Boolean	<input type="checkbox"/>	
Bank	String	<input type="checkbox"/>	
CreditCardNo	String	<input type="checkbox"/>	
ChangeAddress	Boolean	<input type="checkbox"/>	
Address	String	<input type="checkbox"/>	
AtStart	Boolean	<input type="checkbox"/>	
SameBillingInfo	Boolean	<input type="checkbox"/>	
srcSameBilling	Boolean	<input type="checkbox"/>	
SameBillingInfo2	Boolean	<input type="checkbox"/>	

The interface also shows a 'Done' button at the bottom left and a status bar at the bottom right indicating 'Internet | Protected Mode: Off' and '100%' zoom.

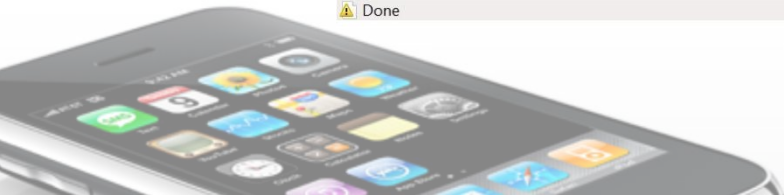


2. Graphically Define Rules

The screenshot displays the Chatty Solutions software interface for defining rules. The main window is titled "Approval" and contains a graphical rule editor. On the left, a sidebar shows a tree view with "Approval" and "CapitalEquip" under the "NewPatientIntake" project. The main workspace shows a rule definition for "CapitalEquip" with the following conditions:

- Bio_Array.Weight is 100 (represented by a "()" operator)
- Bio_Array.Pressure is 997 (represented by a ">=" operator)
- Bio_Array.Age is 25 (represented by a ">" operator)

These conditions are connected to a green AND gate symbol, indicating that all three conditions must be met for the rule to trigger. The Chatty Solutions logo is visible in the bottom left corner of the software window.



3. Create Actions using an intuitive UI

The screenshot displays the Chatty Solutions software interface, specifically the workflow editor for a process named "CreateRecord". The interface is organized into several sections:

- Left Panel:** Contains navigation tabs for "Data", "Rules", "Actions", and "Flows". Under the "Actions" tab, a list of actions is shown, with "CreateRecord" selected and highlighted.
- Main Editor:** Shows a hierarchical tree of workflow steps:
 - Root: "CreateRecord" (yellow diamond icon)
 - Step 1: "If(Approval) { Execute Action: SetLimit }" (yellow diamond icon)
 - Step 2: "If(CapitalEquip) { Execute Action: SetLimit, SetValue(Price, 99.5), Execute Action: WriteValues, If(Approval) { SetValue(Se" (yellow diamond icon)
 - Sub-step under Step 2: "Execute Action: SetLimit" (lightning bolt icon)
 - Sub-step under Step 2: "SetValue(Price, 99.5)" (gear icon)
 - Sub-step under Step 2: "Execute Action: WriteValues" (lightning bolt icon)
 - Sub-step under Step 2: "If(Approval) { SetValue(Selected, Approved) }" (yellow diamond icon)
 - Sub-sub-step under Step 2: "SetValue(Selected, Approved)" (gear icon)
 - Sub-sub-sub-step under Step 2: A table defining variables and values:

Variable	Selected
Value	Approved
 - Step 3: "Execute Action: ReadItemsList" (lightning bolt icon)

- Bottom Panel:** Features the Chatty Solutions logo with the tagline "MOBILIZE YOUR APPS".
- System Tray:** Shows the Windows taskbar with "Done", "Internet | Protected Mode: Off", and "150%" zoom level.


4. Define flows for smartphones

The screenshot displays the Chatty Solutions software interface for defining flows for smartphones. The main window is titled "New Patient Intake Form" and shows a flowchart on a grid. The flowchart starts with a "Name" step, followed by "Bio", "Branch", and "End". A "Branch" step leads to two paths: "Female" and "Male". The "Female" path leads to "BillAdrs", and the "Male" path leads to "ShipAdrs". Both "BillAdrs" and "ShipAdrs" lead to "End".

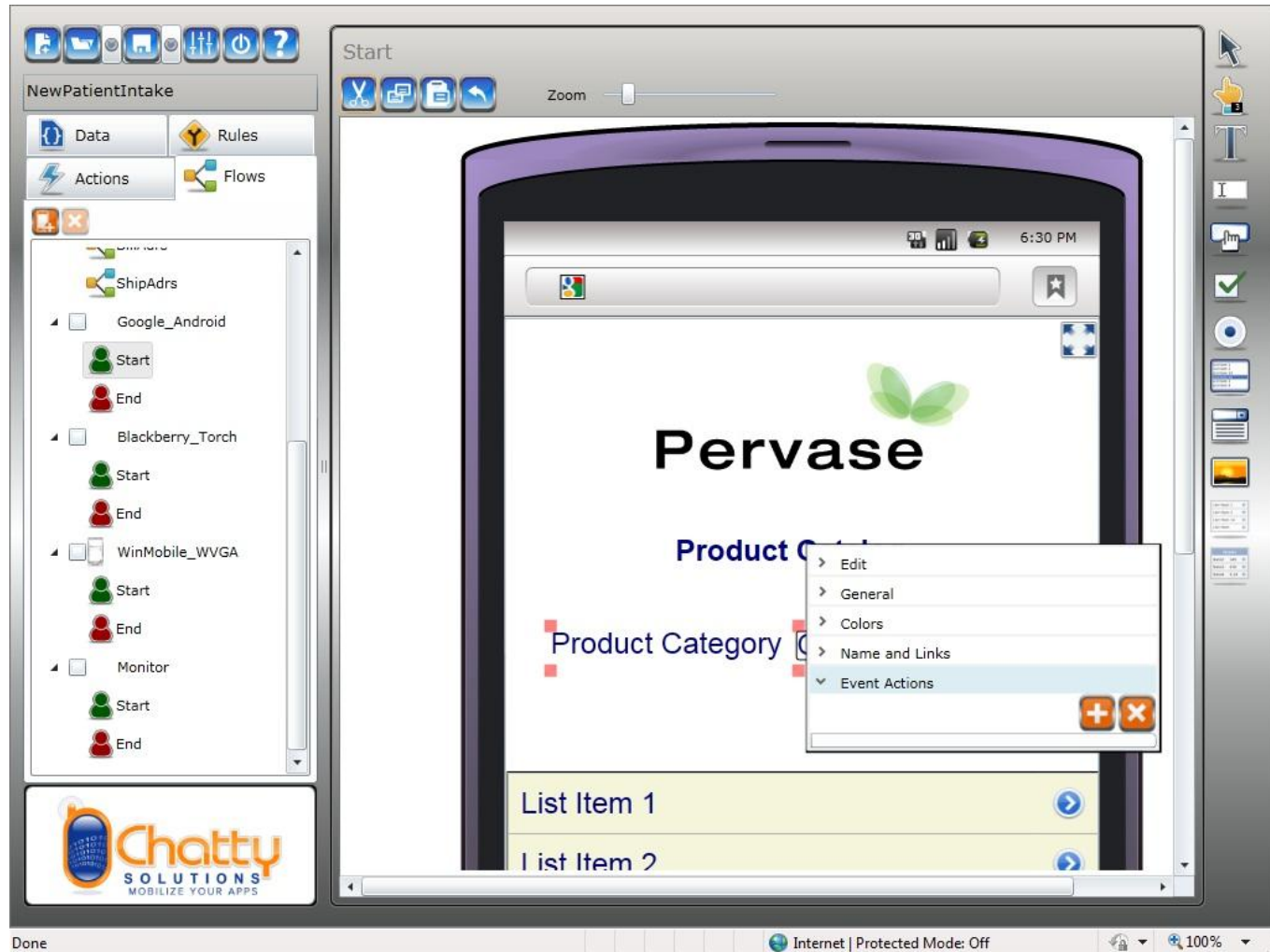
On the left side, there is a "NewPatientIntake" panel with tabs for "Data", "Rules", "Actions", and "Flows". Below these tabs is a list of device types: iPhone (checked), Google_Android, Blackberry_Torch, WinMobile_WVGA, and Monitor. Under the iPhone tab, there is a list of steps: Name, End, Bio, Branch, Female, Male, BillAdrs, and ShipAdrs.

At the bottom of the main window, there is a smartphone mockup displaying a "Male Info" form with three text boxes for "Height", "Weight", and "Age".

The bottom status bar shows "Done", "Internet | Protected Mode: Off", and "150%".



5. Create like-native UI unique for each smartphone



Example: Drag & Drop Grid control and set properties

The screenshot displays a mobile application development environment. On the left, a form titled 'PERVASE' contains several text input fields: 'First Name', 'Last Name', 'Address 1', and 'Address 2'. The central area shows a configuration panel for a 'Grid Control'. The 'Source Link' is set to 'SelectedCatalogsImported'. A 'Columns to display' list includes 'CatalogNumber', 'Description', 'Quantity', and 'Price', all of which are checked. 'SubTotal' is unchecked. The 'Linked to' property is set to 'SelectedCatalog' and the 'Store index at' property is set to 'Index'. Below the configuration, a preview of the 'Order Information' grid is shown. The grid has four columns: 'CatalogNumber', 'Description', 'Quantity', and 'Price'. Below the grid, there are three text boxes for 'Sub Total', 'Less Discount', and 'Total'. A 'Done' button with a blue arrow is visible at the bottom of the grid preview. The background shows a desktop environment with a taskbar and various application icons.

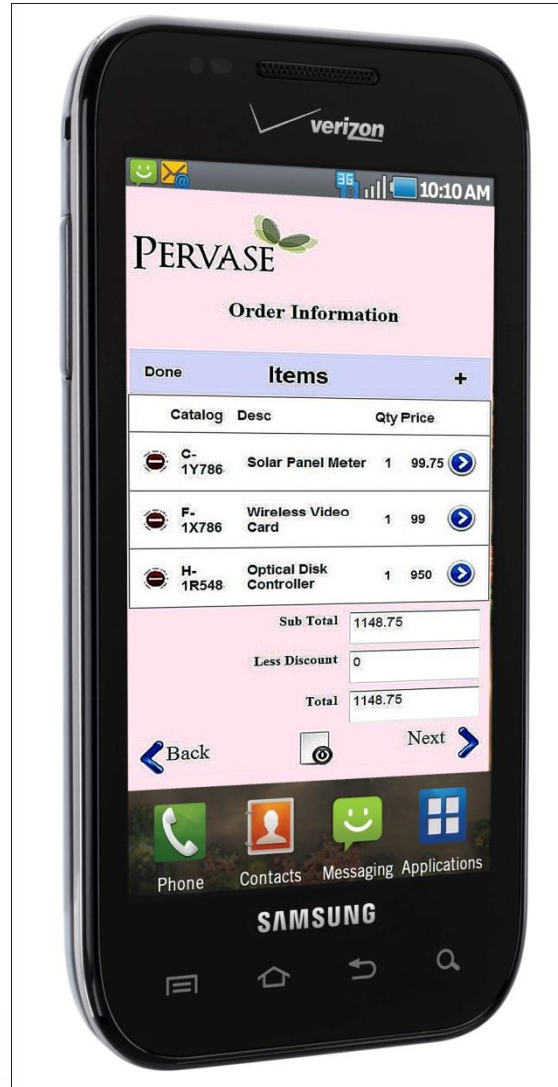
Grid Control



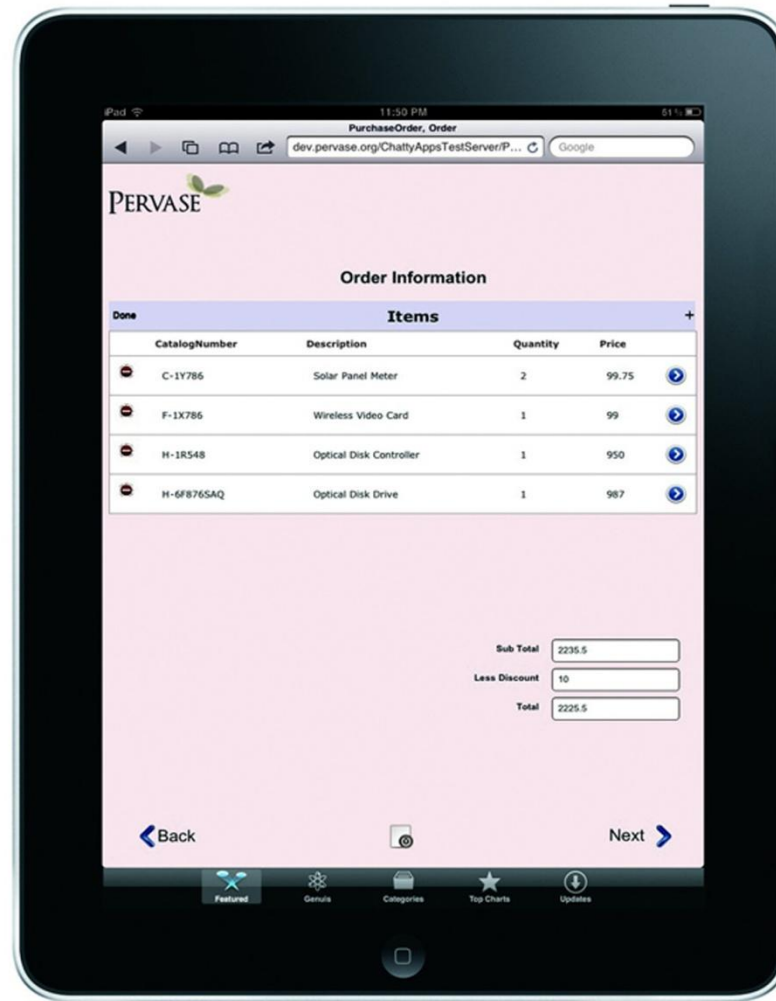
Grid in iPhone



Grid in Android (Samsung Galaxy S)



Grid in iPad



Grid in Full Screen Device

PERVASE

Vendor Information

First Name: David
Last Name: Franklin
Address 1: 435 Madison Street
Address 2:
City: Wrentham
State: MA
ZIP Code: 002092
Email:
Vendor Number:
Order Number:
Order Date: 12/16/2010

Order Information

CatalogNumber	Description	Quantity	Price
a-3456	Plane small	2	346
F59372	Globe Light Kit	3	19.5

Done

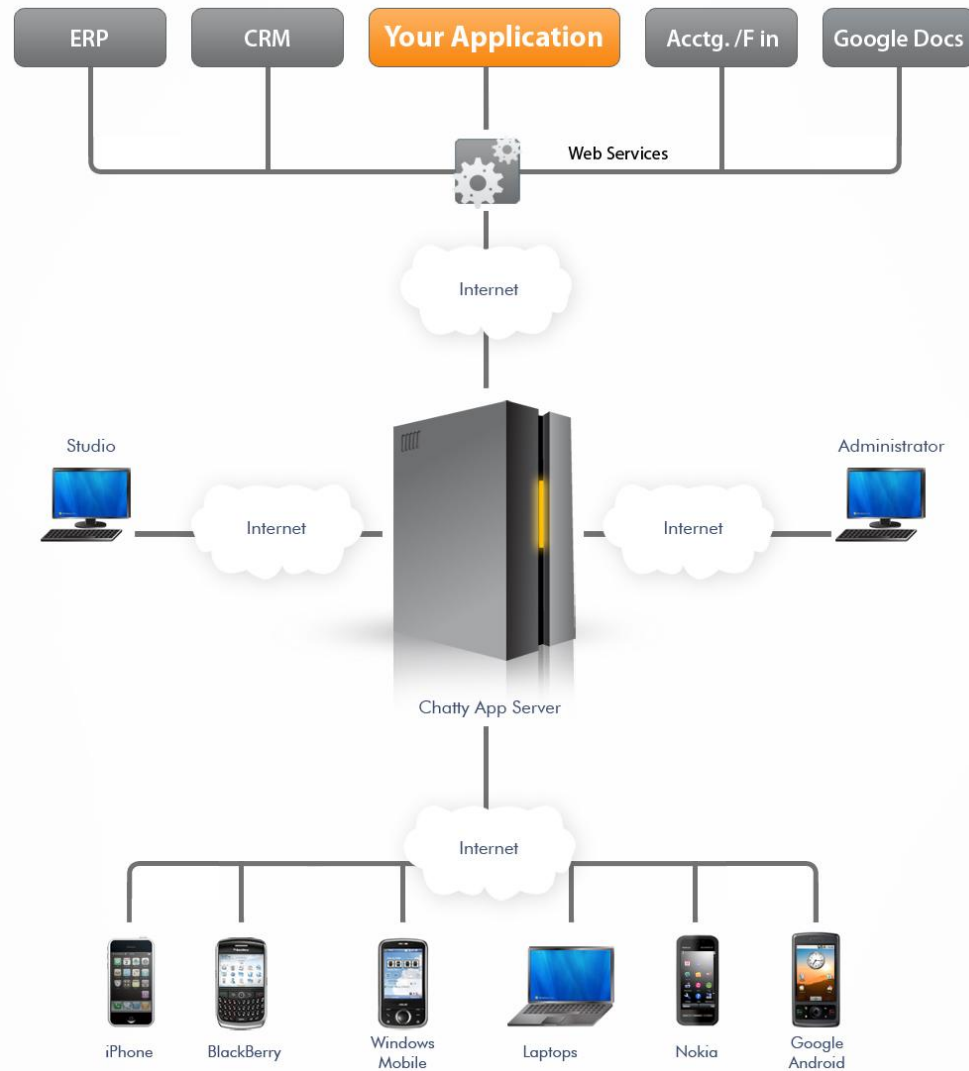
Internet | Protected Mode: Off 100%



User Interface Optimized for Every Device



Chatty Apps Architecture



Conclusion Chatty Apps are ideal for Mobilizing Your Apps

- ✓ Optimized for the unique size of each smartphone
- ✓ Support multiple smartphones: cross-platform
- ✓ Allow mobile users to work discontinuously
- ✓ Enable mobile users to switch device for convenience
- ✓ Seamless integration via SOA/Web Services
- ✓ Rapid 4GL online design environment



A close-up photograph of a hand typing on a blue keyboard. The focus is on the keys being pressed, with a soft blue glow over the scene. The background is blurred, showing more of the keyboard and the hand.

Thank You!

For More Information Visit:
www.ChattySolutions.com