New Features in

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New Features in iBPS

iBPS is a fully web-based BPM solution that can handle dynamic requirements of the current day business. With new value added features and additional modules, iBPS is all set to take the center stage for managing businesses of tomorrow.

Following are key new features of iBPS:

1. Process Modeler

iBPS Process Modeler enables process configuration through a web based user-friendly graphical user interface, improved process components support, that help the Business Analyst and other process designers to design the process models with ease and comfort.

Following are the key features added to the advanced process modeler in iBPS:

a. Project Tree

Project Tree component shows the projects in the form of:

Local Project: Local project is the archiving of the projects and its processes from the designer of Process Modeler. Local project lies at user system only

Registered Project: Registered project is the archiving of projects and its processes from Omni Flow Server.

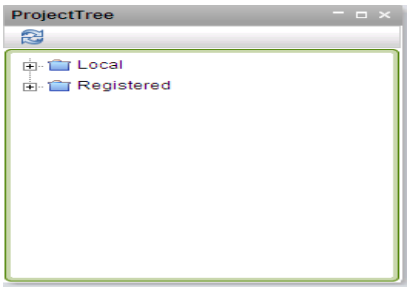

Figure 1: Project Tree Window

b. Process Tree

The Process Tree is used to display the various attributes within a process.

The Process is divided in the following ways:

- Process: Displays all the processes
- Business Object: Displays all the complex variables in a project
- Business Variables: Displays all the queue variables in a project
- Form List: Displays the forms linked to a process
- Form Fragments: Displays all the form fragments linked to respective business objects in the process

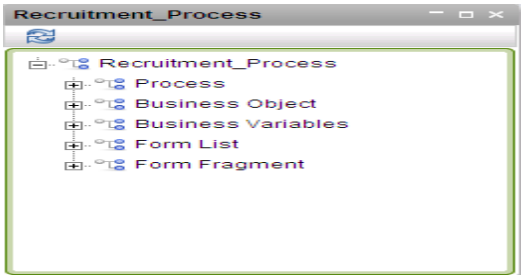

Figure 2: Process Tree Window

c. *Abstract View*

Abstract View is the simplest mode for designing the process, which can be used by a business analyst or new user to design the outlining of the process.

The designing panel is vertically divided into milestones, and all the activities linked to that milestone are vertically arranged in that column.

It is just the abstract of the whole process where no conditions and linking are shown, and just a blueprint of the process is available.

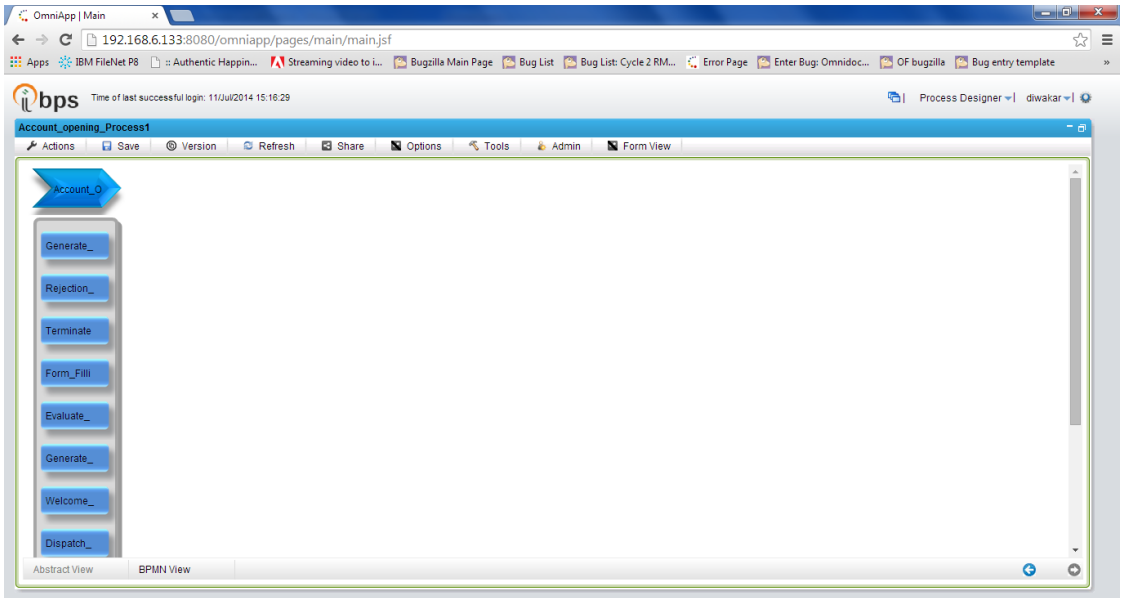

Figure 3: Abstract View

d. *Advancement in BPMN Support*

The BPMN view in Process modeler is refined further to increase the visibility & understandability of the process. Now, with the advanced support of proper classification for the type of worksteps used in the process it helps in designing complex processes with ease.

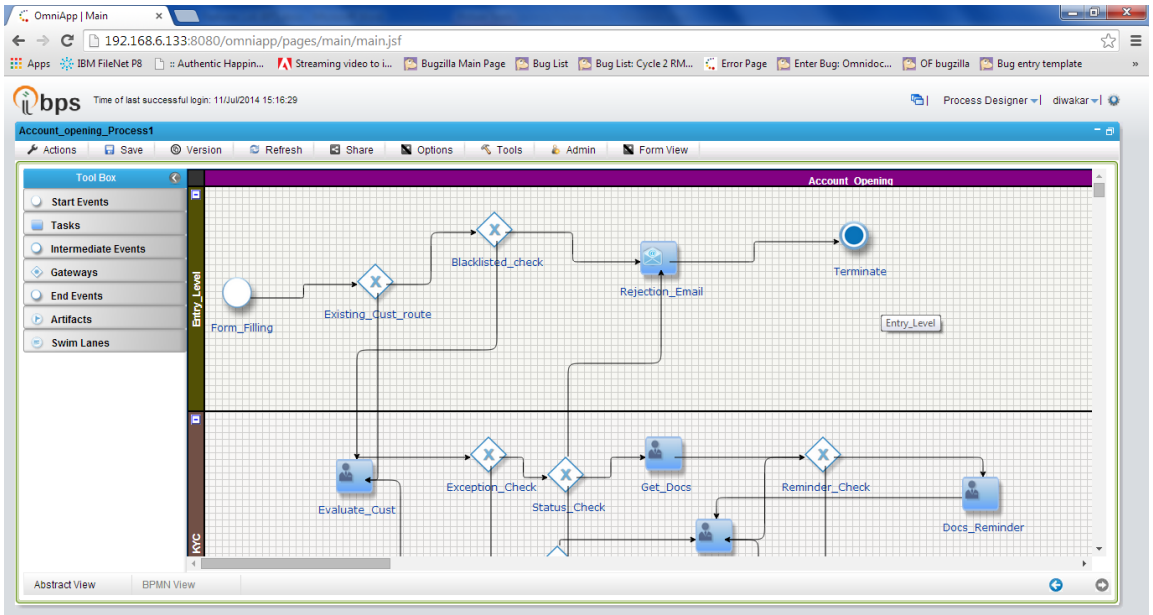

Figure 4: Advancement in BPMN support

e. *Process Variants*

Variant Process is used to create a common process for multiple processes if they share the common variables, activities, worksteps etc. The base process needs to be registered before implementing them as different processes which are called variants. After registration, user creates variant and define additional variables associate different documents with the variant processes and then save the new variant which acts as a new individual process. The variant process has the same workflow as the base process but each activity/workstep may have different variables, documents associated with them.

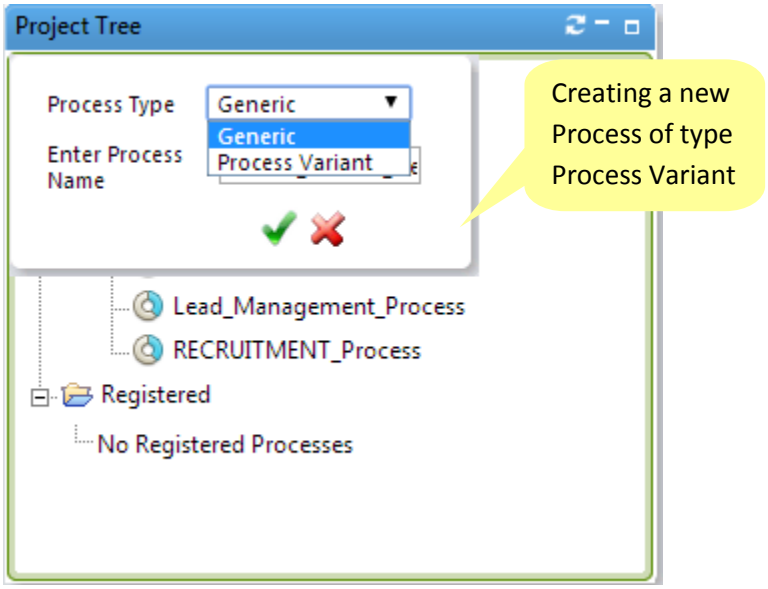

Figure 5: Creating Process Variant

f. Web based Form Builder

Form Builder is an application that provides the facility of designing forms through its Graphical User Interface (GUI), and executing forms by associating certain functions with them.

The forms designed using this interface can be reused, thus, significantly reducing the coding time for programmers/developers. If an end user wants some modification in the forms, the same interface can be used to modify the earlier designed forms without changing the application; either the user or a support person can make the changes and satisfy the customer need without involving the developers.

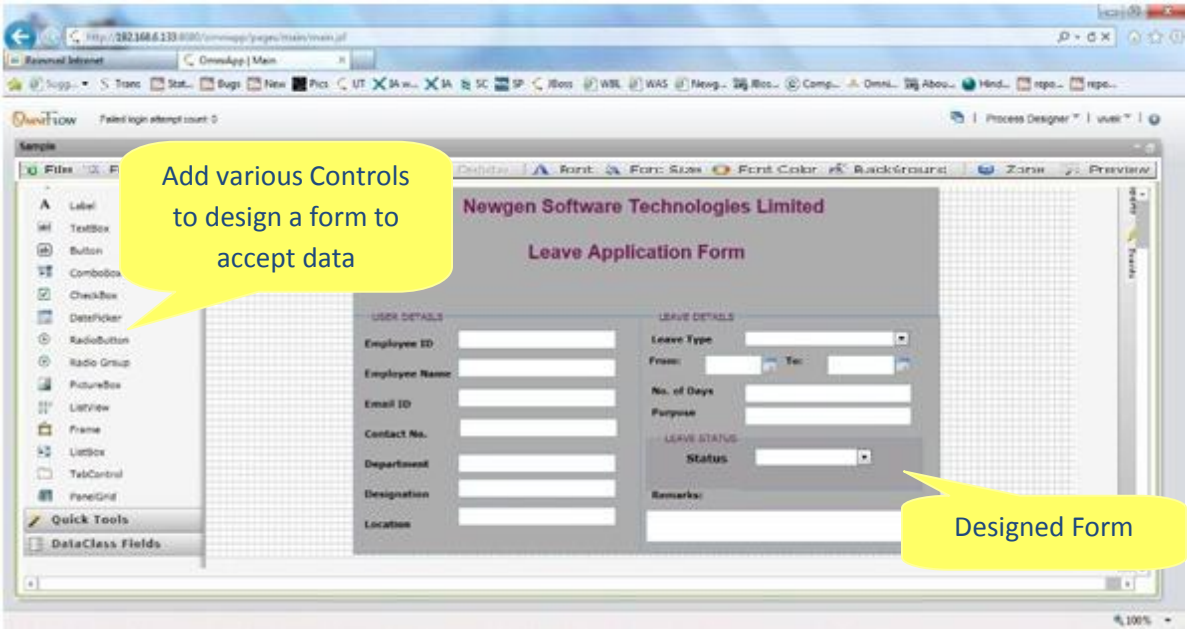

Figure 6: Web Based Form Builder

g. Property Association

Profile Association is a link under the tools; it is used to launch the multiple activity association screens.
It is used to define the property associated with various activities like data variables, To do, Documents, exception and forms.

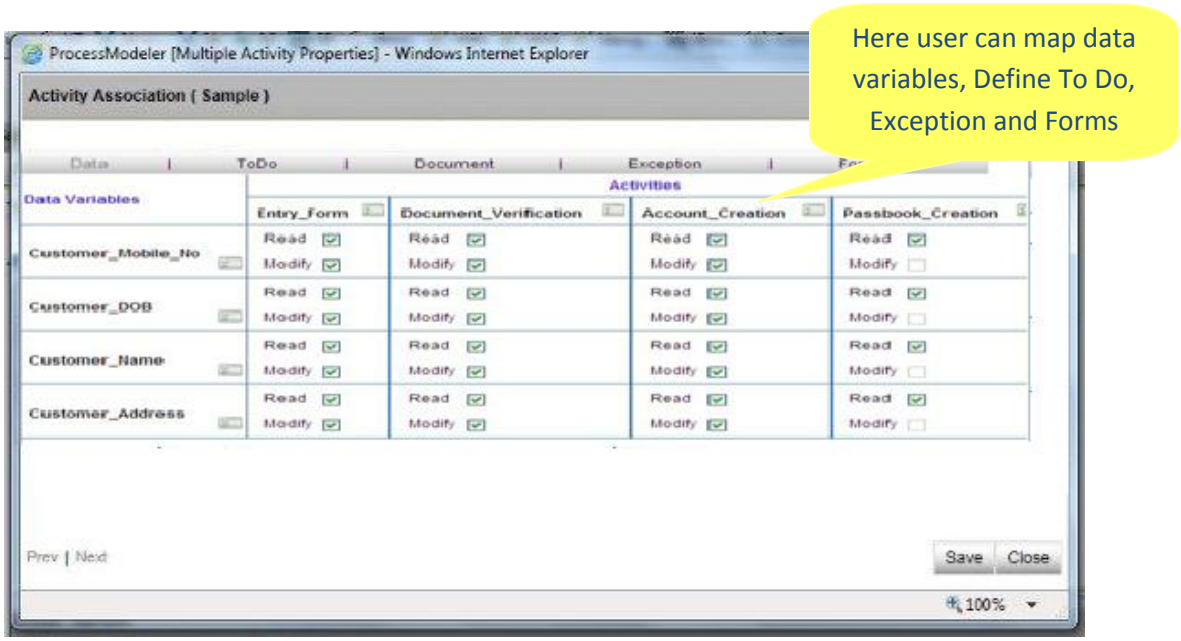

Figure 7: Property Association

h. *Descriptive Property View*

Properties View displays the complete details of the various types of worksteps, activities and processes. It also displays various operations that can be performed on those worksteps, activities & processes.
Property view shows all the aspects related to that particular workstep, activity or process

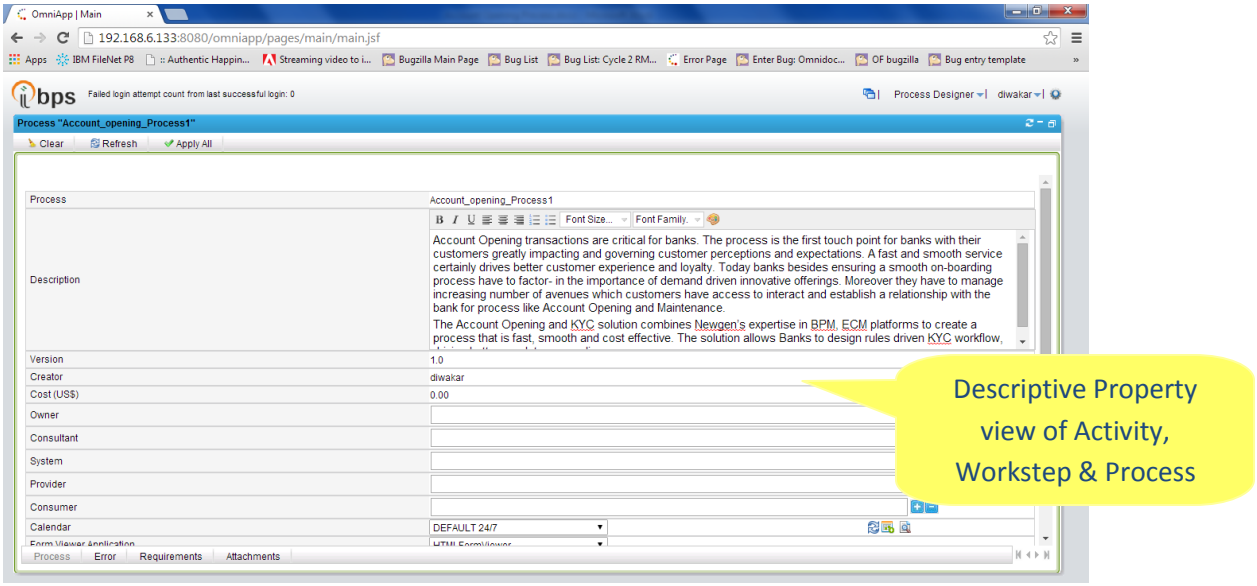

Figure 8: Properties Window

i. Capturing requirement using Text Editor

Text Editor enables user to capture descriptive information both at functional and implementation level. Requirements can be specified with its name and description that we need to set.

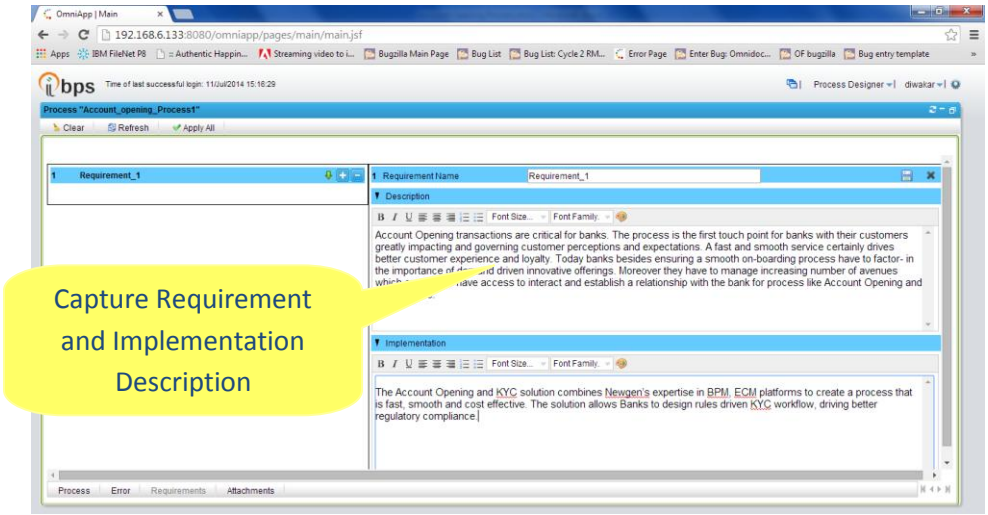

Figure 9: Text Editor Window

j. Process Error Tab

Before registering the process on the server validate it for errors. The error tab displays the list of error(s) associated with the process, if any.

Using this feature, user can quickly identify the errors in the process and take necessary action to rectify errors within time frame.

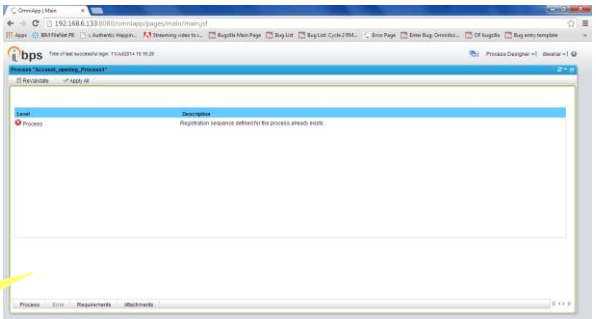

Figure 10: Process Error Window

k. Form Display Settings

Different form viewer applications have been provided under form viewer application to let user preview forms in preferred viewer. Viewers supported are:

- **Applet Viewer** - Displays the applet preview of the form
- **HTML Form Viewer** - Displays the HTML preview of the form

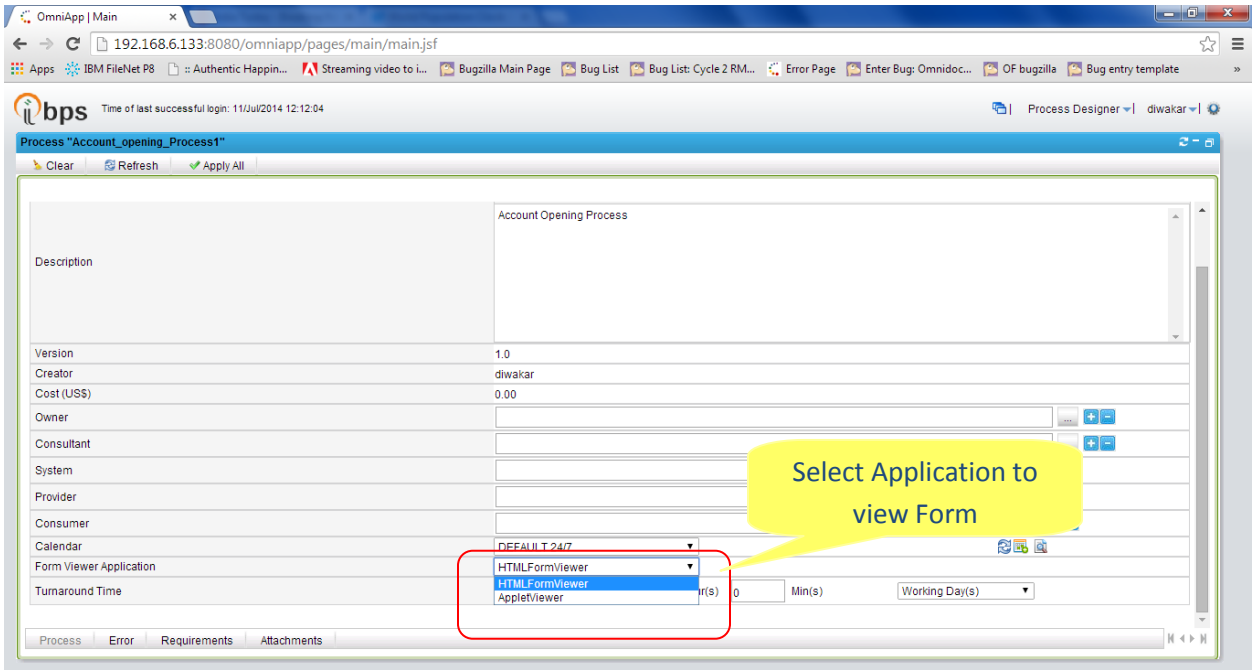

Figure 11: Form Application Viewer

l. Collaboration

The user can interact with others users and then they can simultaneously update the process flow thereby removing the chance of redundancy/correction of work that in turn saves design effort & helps in efficient utilization of resources. A chat window is provided to discuss various aspects of the process among domain experts. Once user logs-in into the main screen of Process Modeler Web, he gets automatically Signed-in to chat.

Names of all the users present in the system will be displayed in the chat window, whereas all the logged in users will be highlighted once they are logged in.

Rooms for Conference: The moderator/author of the process can make room and invite multiple users to brainstorm on a single Work/Process like in a conference, and come up with a more refined and optimized process.

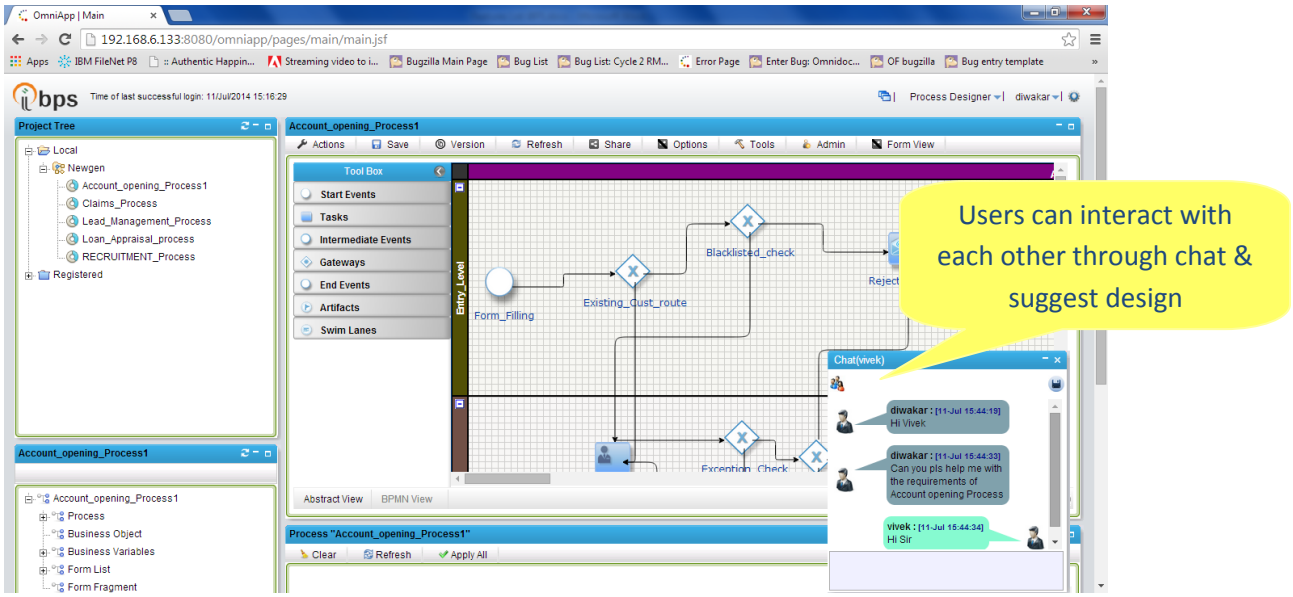

Figure 12: Chat Window

m. Process Report

Process reports generates a detailed report of process that includes report of every workstep along with detailed description of various activities performed at workstep.

It generates a word document of the whole process in the form of a detailed report.

All the attributes related to a process are captured in this report for future reference

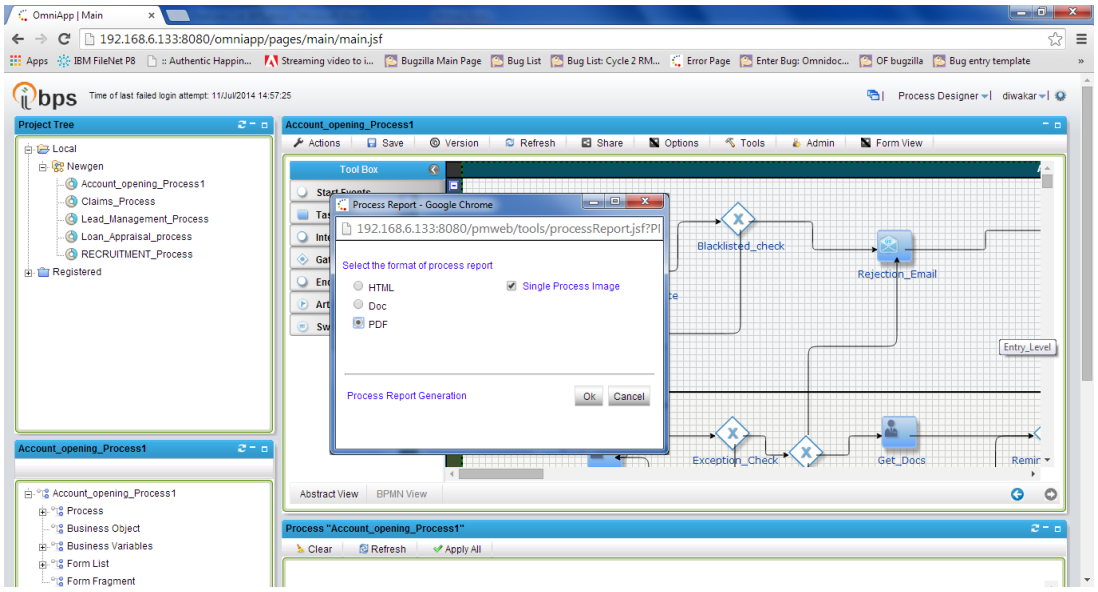

Figure 13: Process Report

Process Report can be viewed in DOC, HTML & PDF formats.

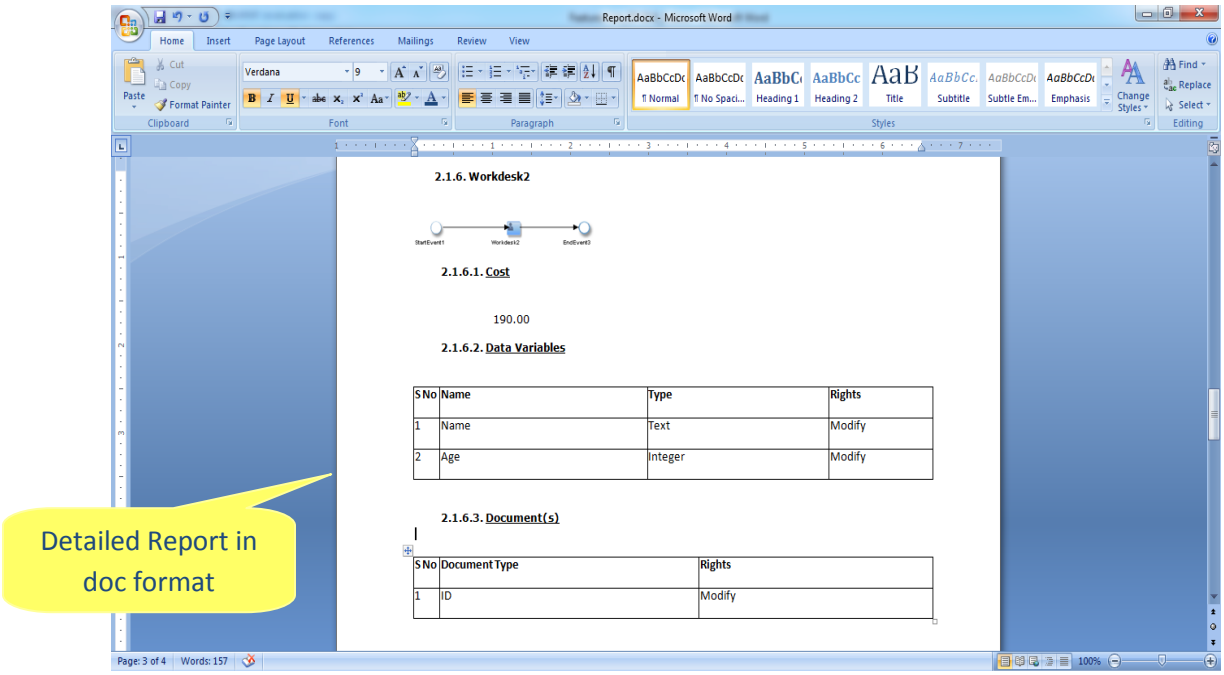

Figure 14: Report in Doc Format

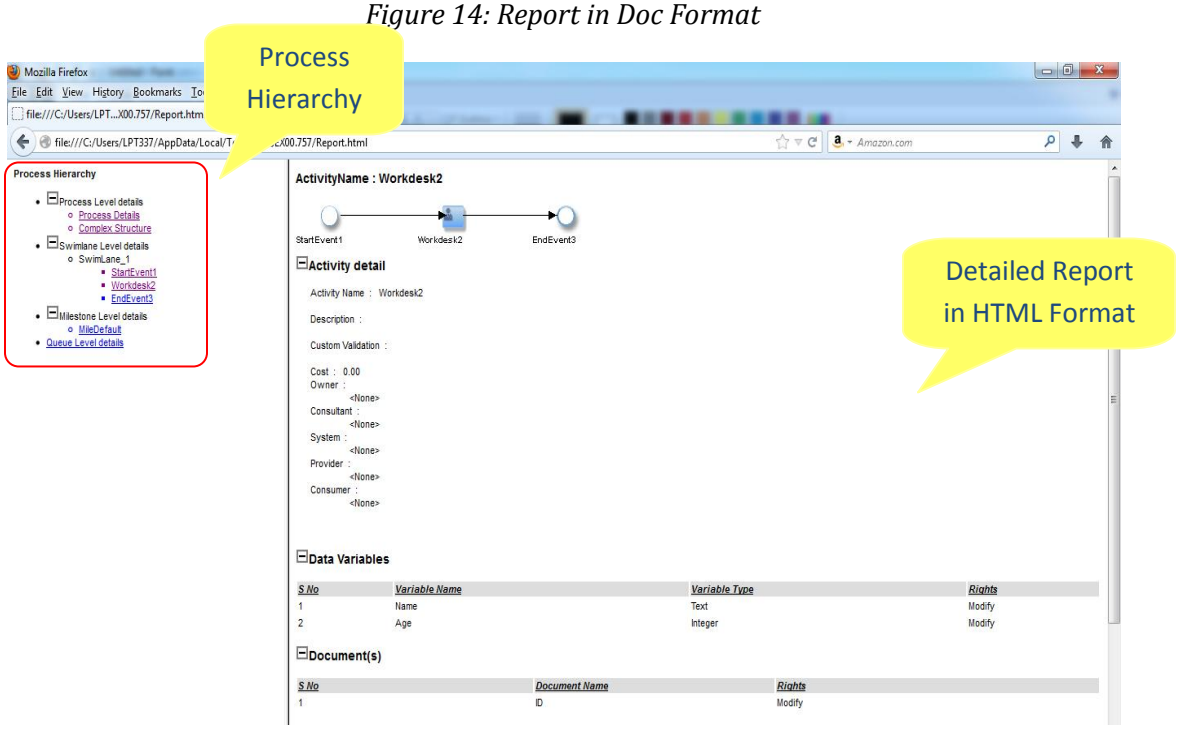

Figure 15: Report in HTML Format

n. *Preview Mode*

Preview option for registered process allows setting of the user interface (UI) visible to the user at the run time. It allows user to configure workspace layout as per preference or requirement. User can add To Do list, Exceptions etc. to workspace layout.

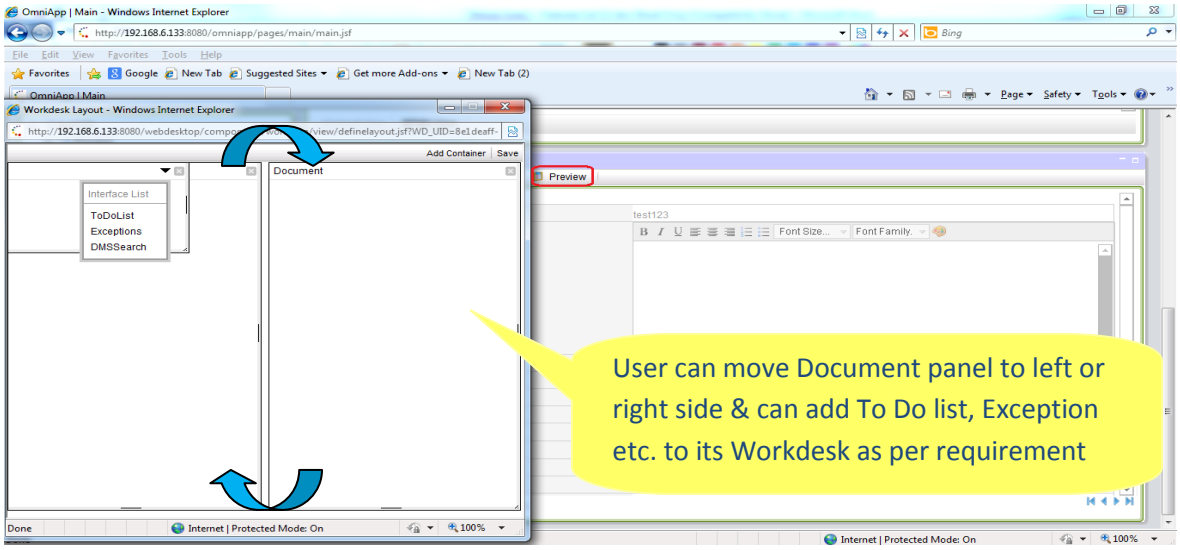

Figure 16: Preview Mode

o. *Swimlanes based queue generation*

For each process, two default queues are generated. One queue contains introduction workstep and other Queue contains all the other remaining worksteps of a swimlane designed in a process.

If more than one swimlane is designed then Correspondingly queues will be generated containing the worksteps as described in a process.

This will result in better management of rights on Worksteps included in Swimlanes. Also all the Workitems included in a swimlane will be viewed together in one queue.

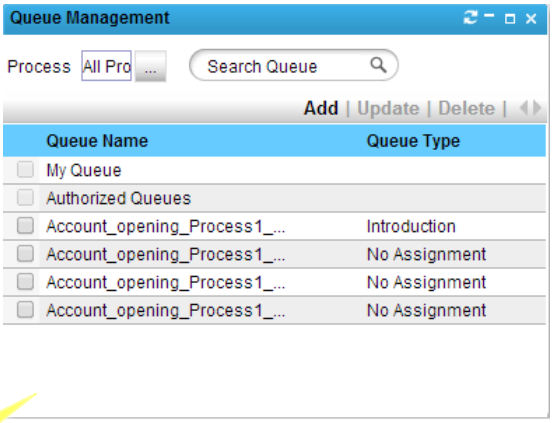

Figure 17: Queue Generation

Queues are generated based on Swimlanes

p. *Calendar View*

Calendar view to view & add events for a particular calendar date. Set events are global in nature & are visible to everyone.

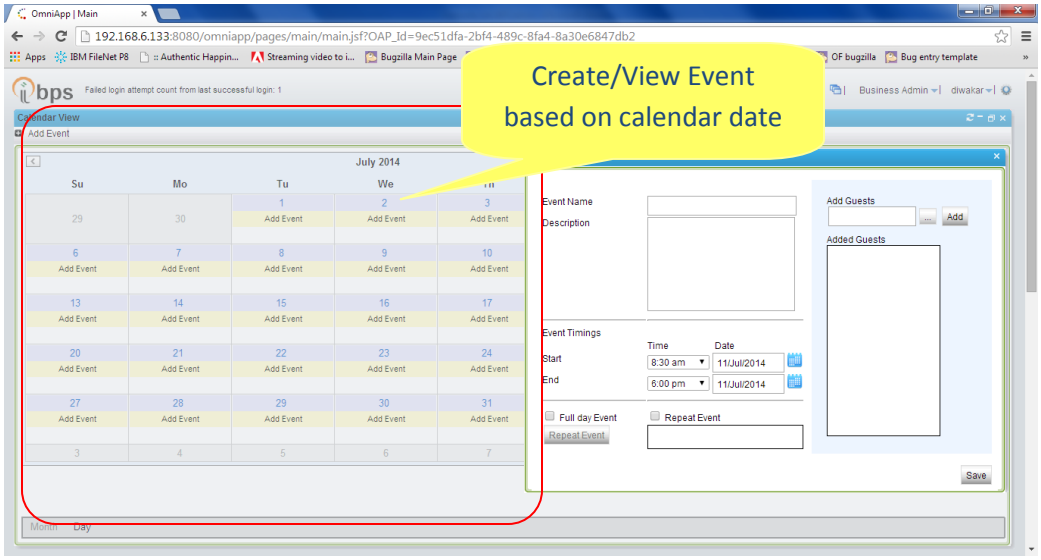

Figure 18: Calendar View

Details like Event Name, Description, Event Start time, Event End Time can be set for each event along with an option to set Repeat Event. Calendar View makes it easy for the user to figure out events configured for any particular date.

q. *Queue Management*

User can configure Queue properties Like Queue Name, Description, Queue Type (FIFO or WIP) process modeler itself thereby reducing process design effort.

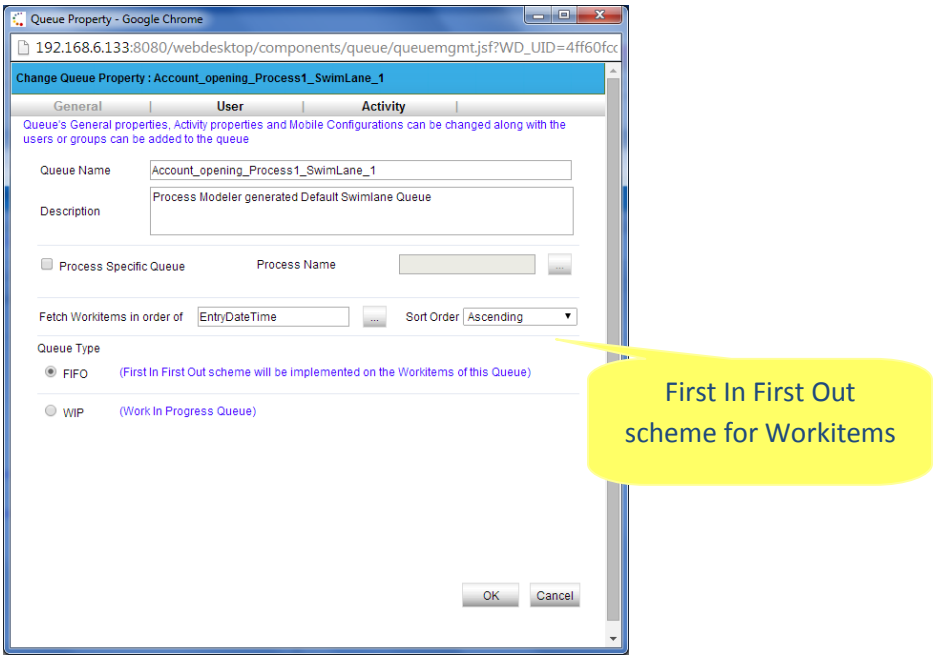

Figure 19: Queue management-FIFO

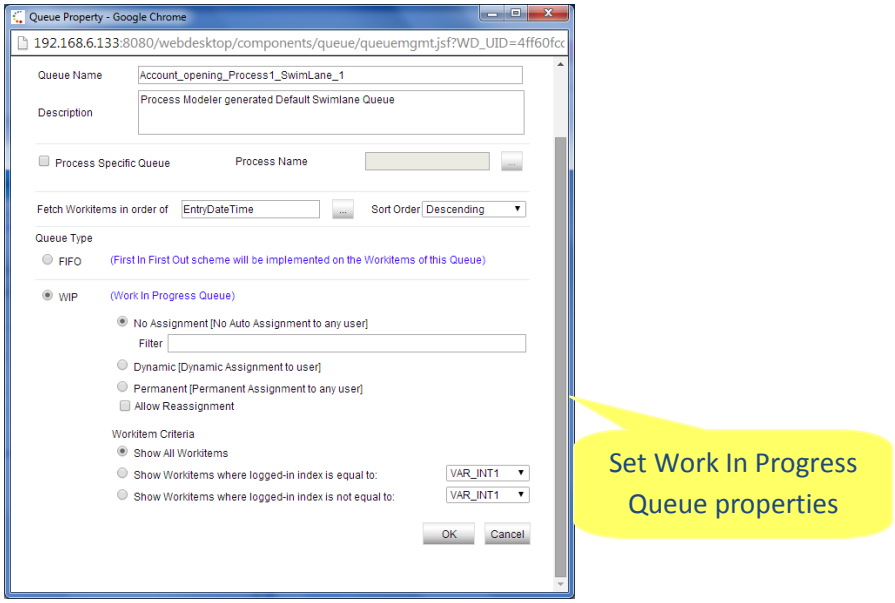

Figure 20: Queue management-WIP

Two types of Queues can be configured i.e. FIFO & WIP.

r. Validate Process

Validate process feature provides user with an option to validate the process for any discrepancy in configuration & design. This provides user with an advantage of verifying the process so that there are no errors when this process goes to production.

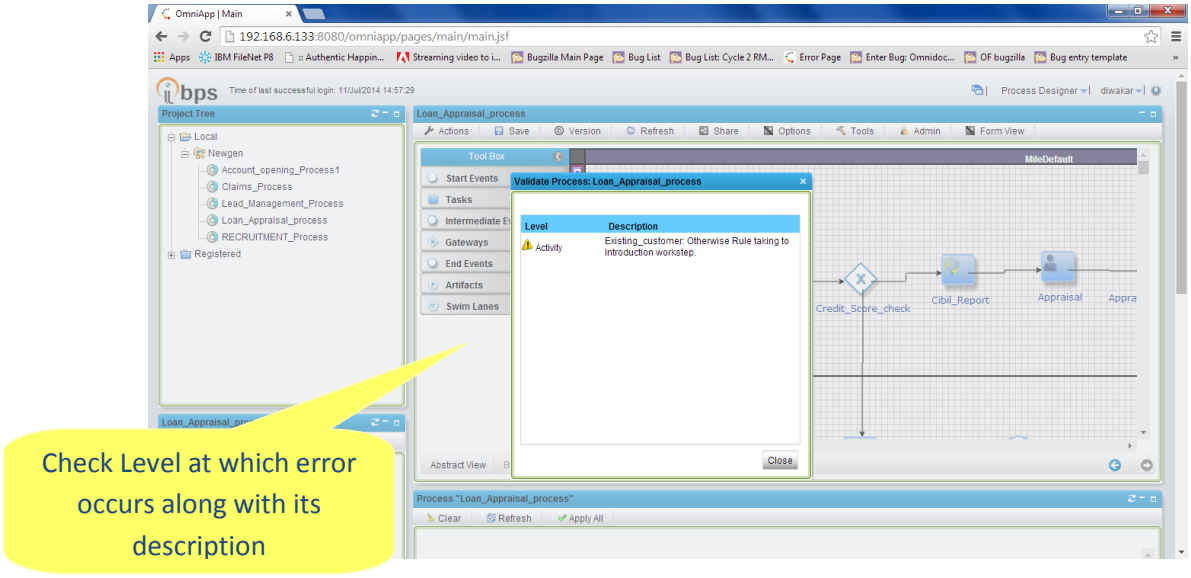

Figure 21: Validate Process

Validate process provides user with the level (e.g. Activity, Process etc.) at which error occurs along with its suitable description that makes it easy for the user to make changes.

s. *Activity & Swimlane Check-Out*

Check –out feature is now available at Activity as well as Swimlane level. So user need not check-out the whole process for any modifications required at Activity or Swimlane level. This is in-turn reduces changes of error as check-out at multiple levels is possible making a process design more flexible.

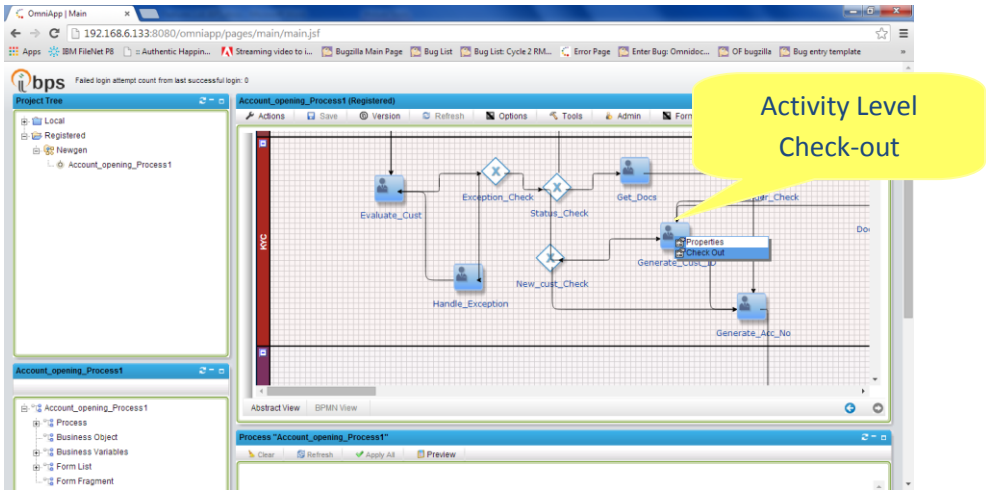

Figure 22: Activity Check-out

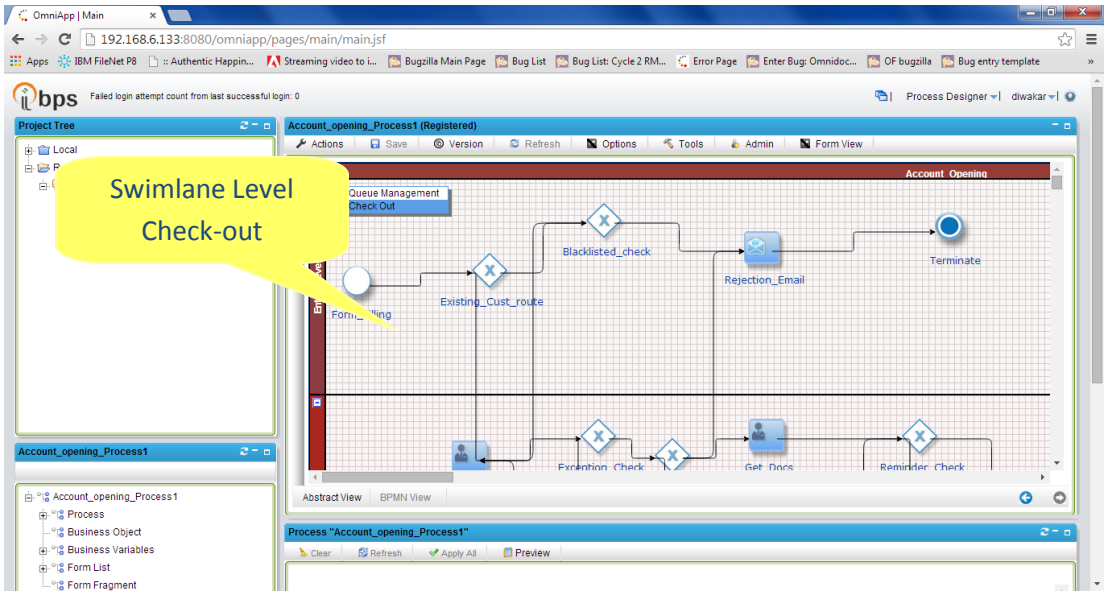

Figure 23: Swimlane Check-out

2. Omniapp

Omniapp is a one stop platform that allows user to configure multiple applications that can be internal as well as external applications, register cabinets, define components, configure views for different users, design themes etc.

Omniapp provides user with ability to perform multiple operations from a single platform that in turn makes user at ease while configuring application.

a. Applications

Omniapp provides user with the ability to register multiple applications like BAM, OmniForms, Process Modeler web etc. that would be required during process design & execution. User can register internal as well as external applications from OmniApp. Internal applications can be BAM, OmniForms etc. and external applications can be Salesforce, Facebook etc.

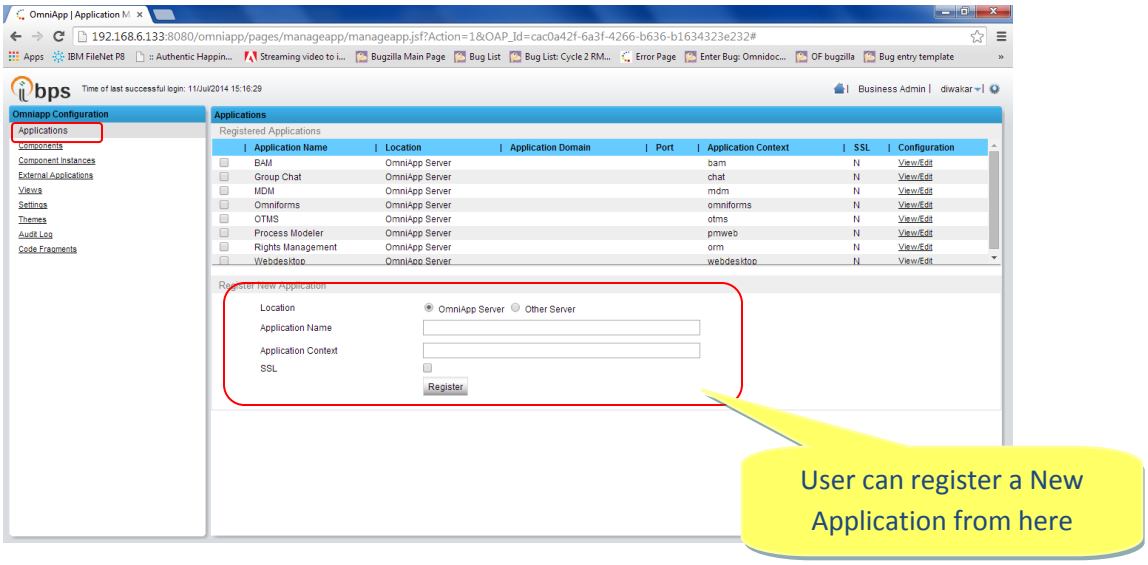

Figure 24: Register Application

b. Components

Components are a part of any particular application like

- For BAM application we have different components associated with it like report list, report designer, report scheduler, report view, main view.
- For OmniForms application we have components like designer, compact designer.
- For Process Modeler Web we have project view, activity tree view, properties view, collective view, chat

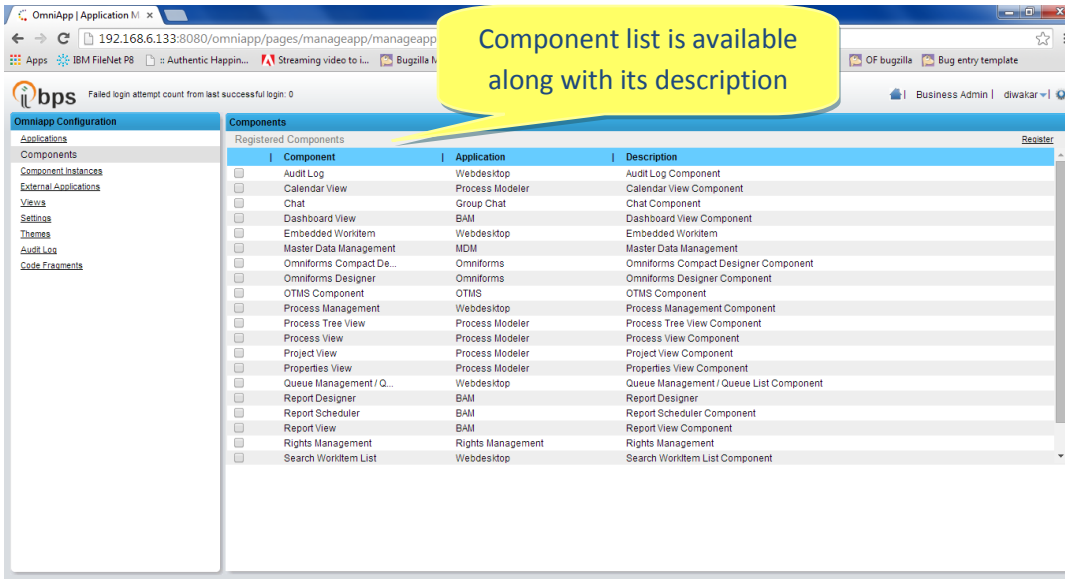

Figure 25: Components

User can register a new component or modify an existing component.

c. Component Instances

Every component can have multiple instances according to its set attributes & properties like Input, Output, Methods, and Events etc.

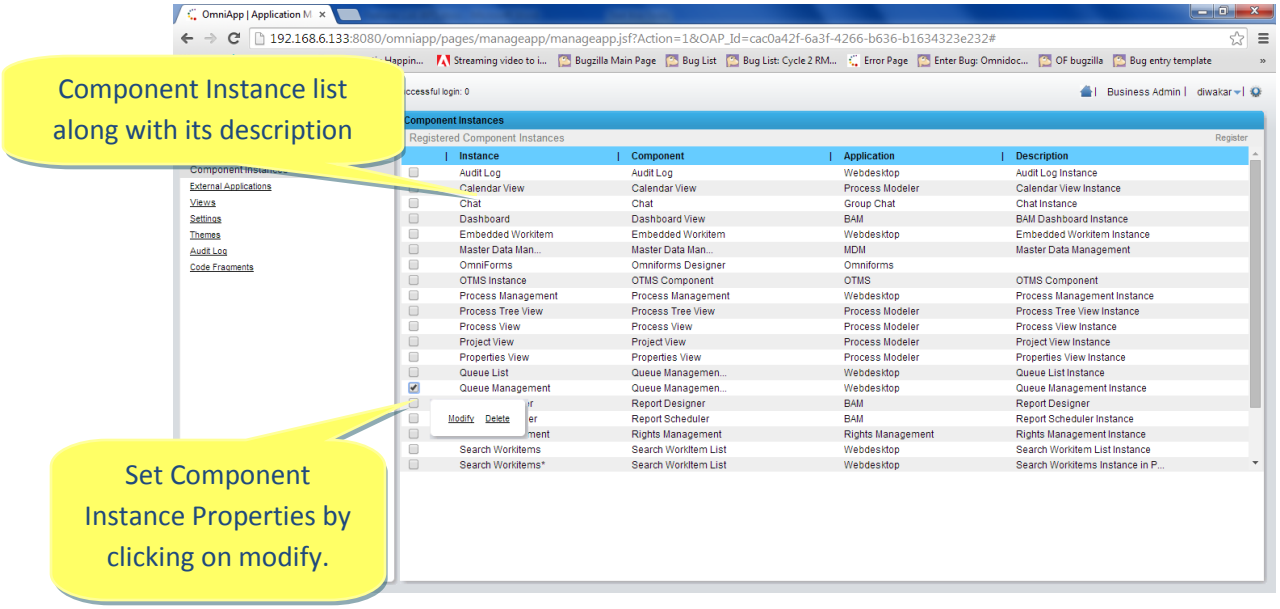

Figure 26: Component Instances

d. External Application

Omniapp also provides user with the ability to add any external application like Salesforce, Facebook etc. User can provide the necessary details & add external application

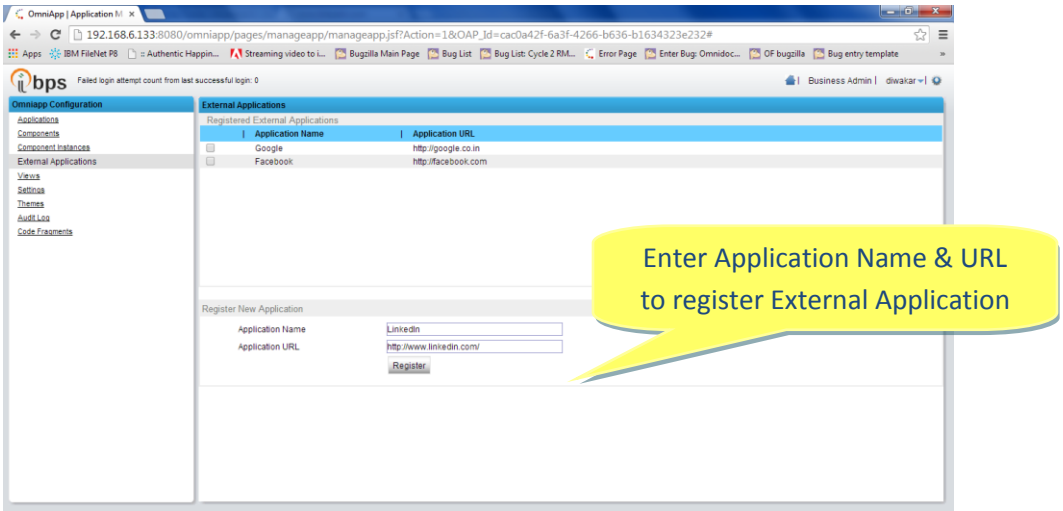

Figure27: Register External Application

User need to specify the external application name and the URL where the application is hosted to register an external application.

e. Views

User can configure views from view options for different users as per the requirement or preferences. User can add those components in his/her view that are frequently used.

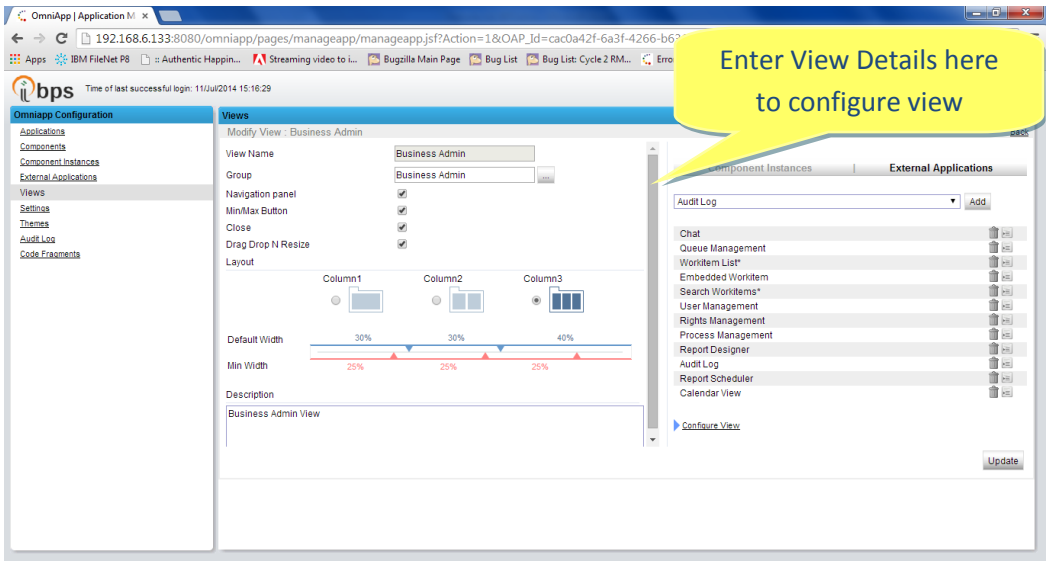

Figure 28: Configure Views

Here a user can specify View Name, Description, Group, Min/Max Button to be visible or not, Drag drop option allowed or not. User can also specify the number of columns in Layout.

Different Views can be configured for different users

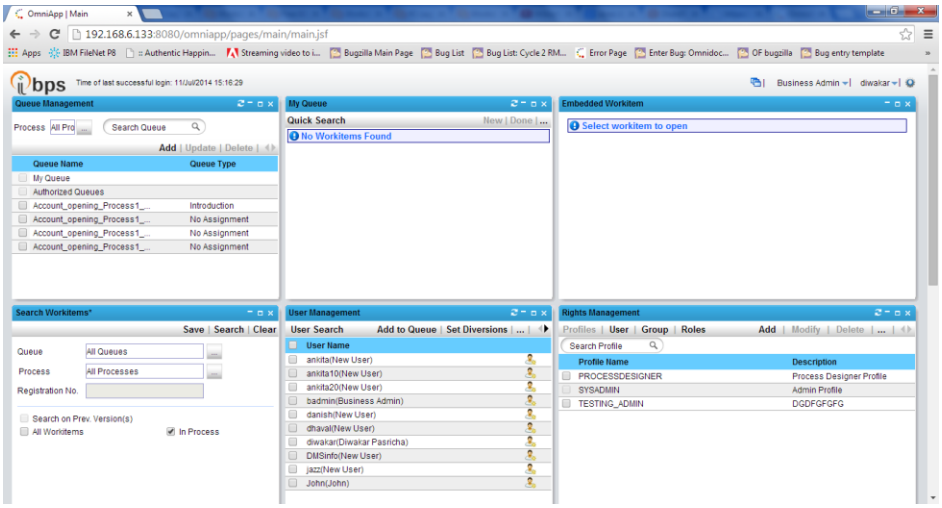

Figure 29: View for User 1

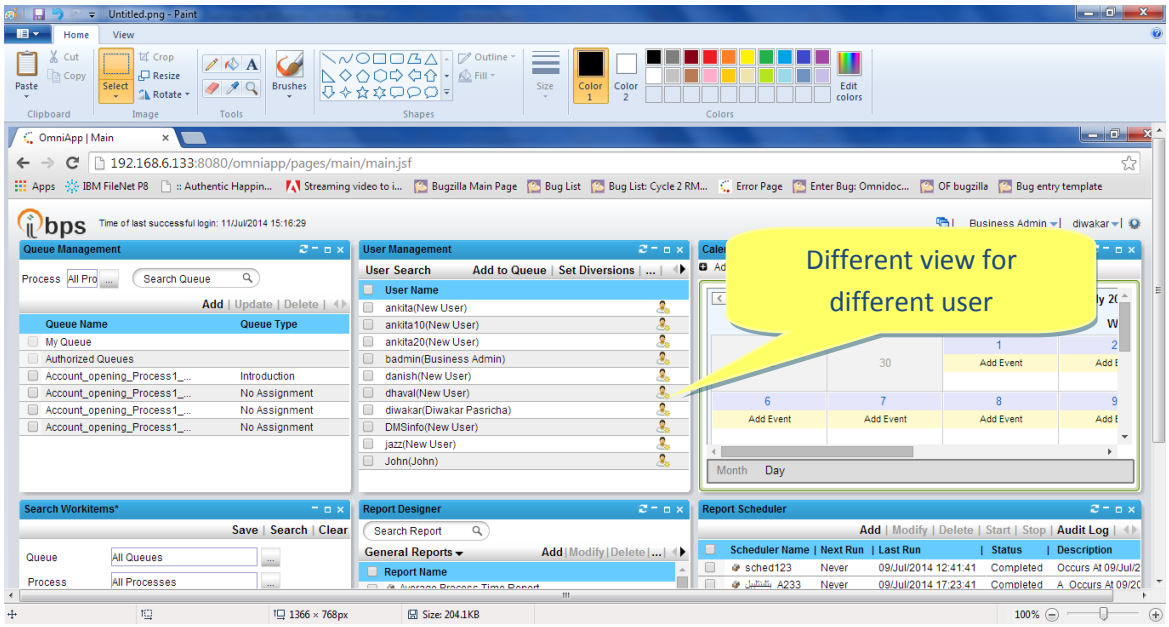

Figure 30: View for User 2

f. Themes

User can define themes as per preferences. User can set Theme Name, Panel Color, Background Color, Table header, Table content-Font Size & Color

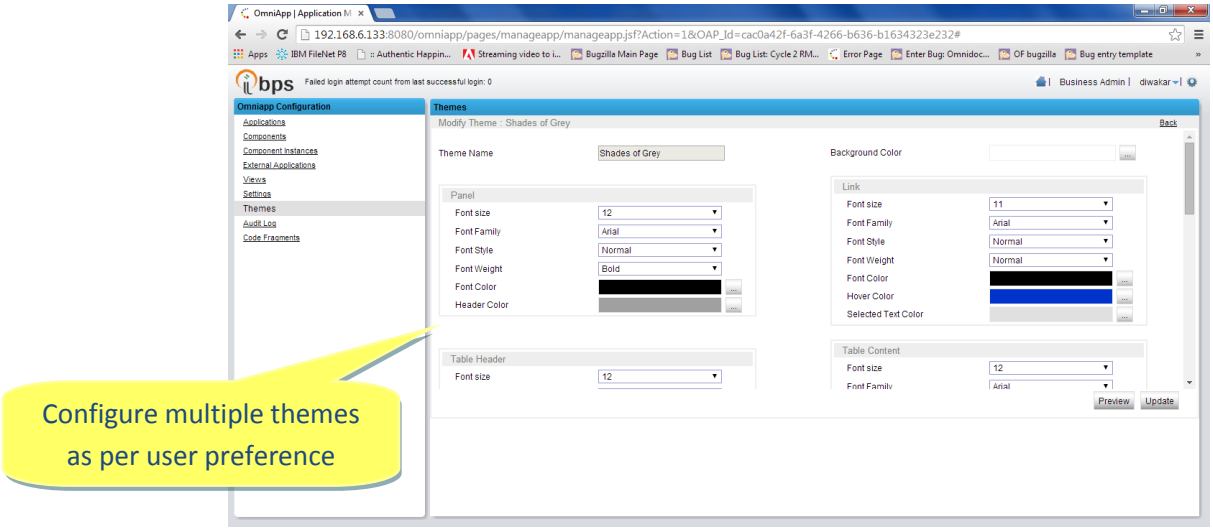

Figure 31: Themes

User can also preview the theme before adding it.

g. Audit Log

OmniApp maintains audit log for operations performed in OmniApp like Modify Application, Delete Application, Register view, Register theme, Modify theme etc.

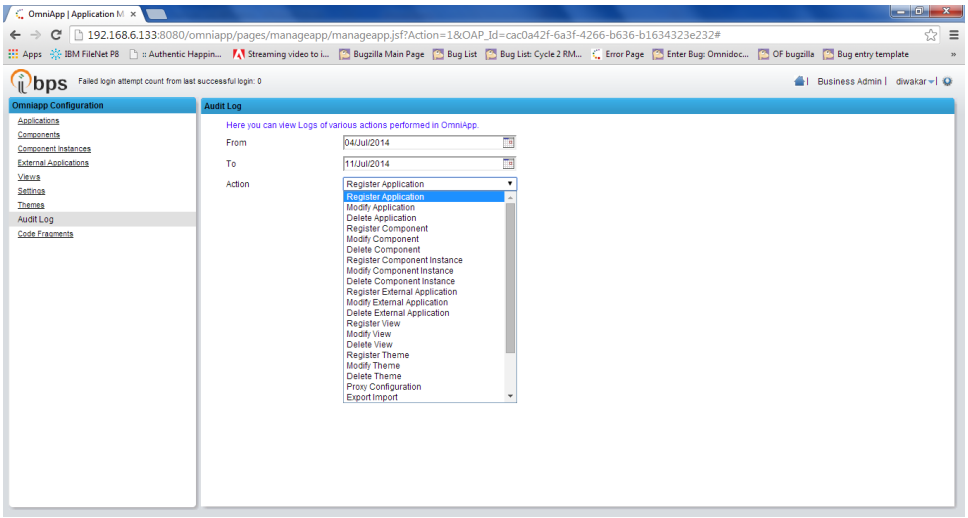

Figure 32: Audit Log

User can view audit log of various actions performed in OmniApp for a specific date range

3. Process Client:

The Process client for the end users of iBPS has also evolved with few additional features. New features have been added to enhance user experience & make it more user friendly to work.

a. Edit Layout

This feature is provided where client can set the UI screen according to his/her preference. It provides user with the flexibility to re-size or set the location of components at run time so that user can set User Interface as per his/her preference or requirement.

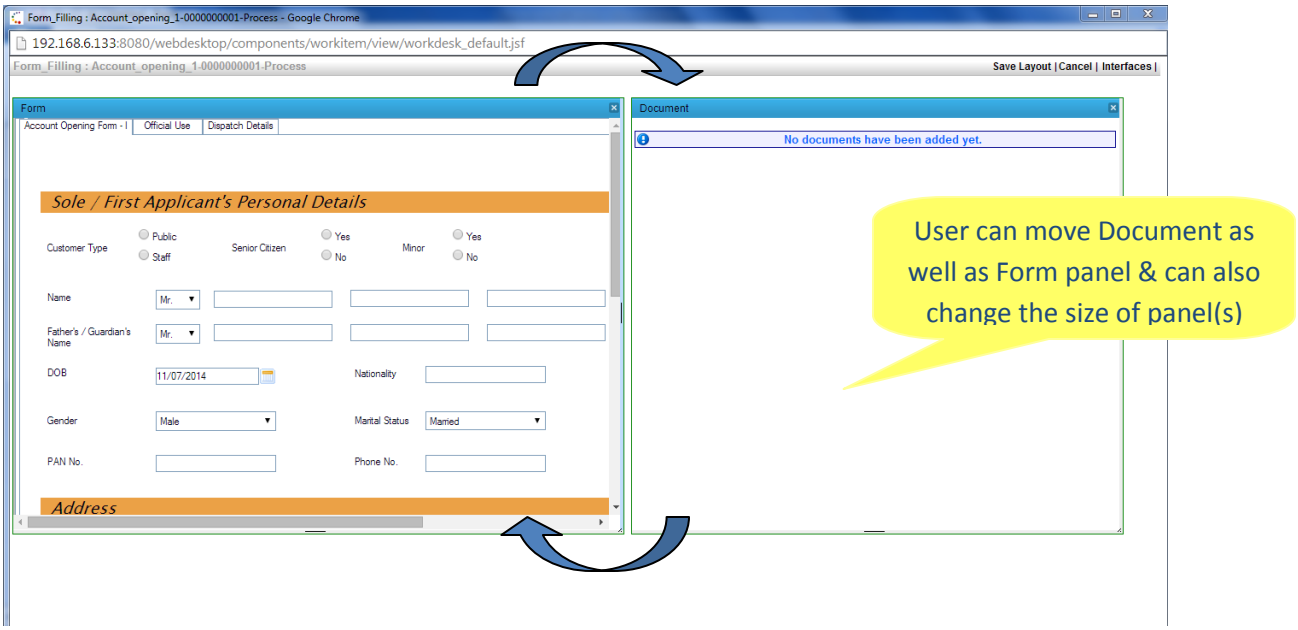

Figure 33: Edit Layout option

b. Work Item Collaboration

Process Client allows user to share workitems with single/multiple users through Share option.
Terms used for Share/Unshare Workitem Processes:

1. **Owner** – Owner is the user who shares the workitem process with other users (receivers). Owner is able to Share Workitem, Revoke Lock, Grant Lock and Unshare Workitem.
2. **Receiver** – Receiver is the user who receives notification for sharing of workitems by the owner. Receiver is able to Request Lock, Release Lock and Leave Sharing.

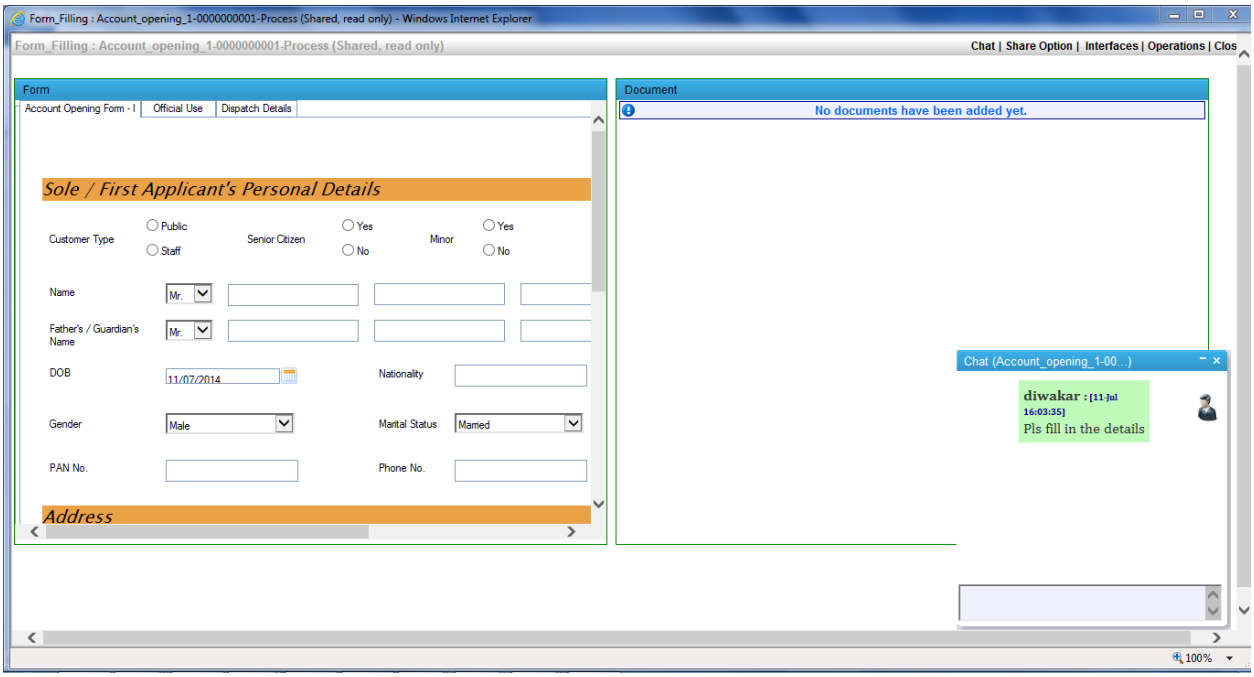

Figure 34: Work Item Collaboration

Following functions are available in workitem collaboration:

- **Sharing of Workitems**
  Sharing feature is used to share workitems among single/multiple users through Share Option.
- **Leave Sharing**
  Leave Sharing is used by the Receiver to leave sharing for workitems.
- **Request Lock**
  Request Lock is used by the Receiver to request for getting lock for workitems.
- **Revoke Lock**
  Revoke Lock is used by the Owner to forcefully get lock for workitems from the receiver.
- **Release Lock**
  Release Lock is used by the Receiver to voluntarily release lock for workitems.
- **Unshare**
  Unshare option is used by the Owner to unshared the workitem process with single/multiple users.
- **Chatting Feature**
  Chat feature is used to perform chat operation among multiple users (owner and receiver).

4. Rights Management Framework

iBPS application provides a user-friendly graphical interface known as Rights Management. The Rights Management consists of Profiles, User and Group for assigning and managing of rights accordingly.

The Owner/Administrator can define rights on folders and documents. Access Rights allows the User to share documents, folder, Data Class and Annotations with other Users of the Group. The user can also assign rights to other users and group on the documents and folders, which are created by the user.

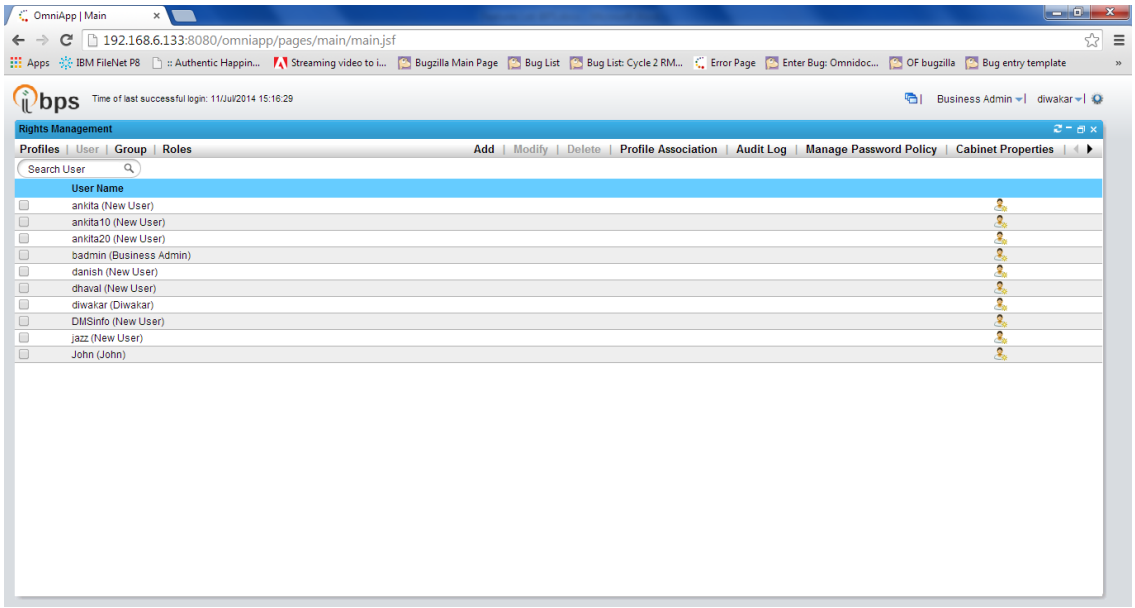

Figure 35: Rights Management Framework

New Expertise Management feature has been added to Rights Management Framework. Using Expertise Management Feature new expertise/skill sets can be created on which different users can be rated based on their skills.

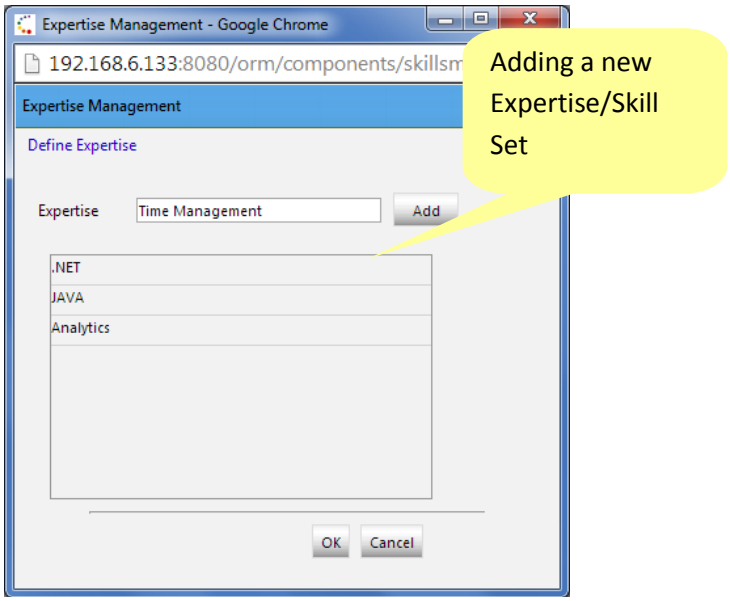

Figure 36: Expertise Management

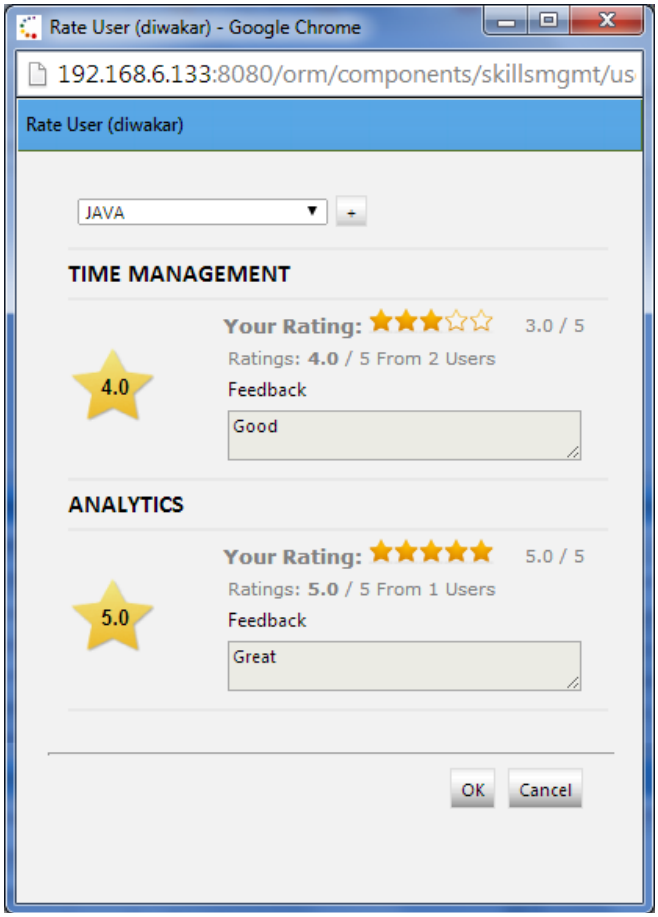

Figure 37: User Rating on Different Skill Sets

5. iBPS Mobile Application

iBPS Mobile Application extends the current iBPS to Mobile/Tablet. It allows user to bring his iBPS account to their mobile devices. Mobile users will have access to basic iBPS features like user desktop, workitem search etc. Users can download the mobile app from Google PlayStore and Apple AppStore. Enterprise iBPS users would configure the app with their respective iBPS server details which will connect the mobile app to their existing iBPS server.

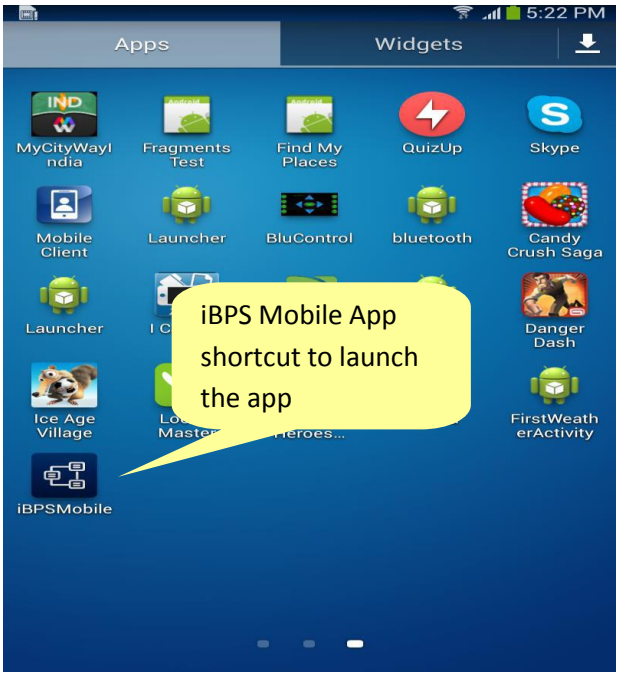

Figure 38: iBPS Mobile App

Major Features of iBPS mobile app are:

1. **Manage Reports in Dashborad** - Add, Modify, Delete and View Report through BAM.
2. **Displays User Desktop** – Displays user desktop view with workitem lists in My Queue etc.
3. **Search and Upload Workitem** – Search workitems and upload them in introduction queue.
4. **Import/View Document –** Import/View Document attached with workitem.
5. **Manage Reminders** – Set and Dismiss Reminder for Workitems.
6. **Manage Exception** – Add, Modify, Delete and View Exceptions.
7. **Manage To Do List** – Add, Modify, Delete and View To Do Lists.

8. **Manage Workitem** – Upload workitem, complete/introduce workitem, save workitem and perform operations on workitems including Refer, Revoke, Reassign workitems, Lock/Unlock Workitems, Audit Trail etc.

9. **Manage Queues** – Add workitems in All Queues, Favourite Queues.

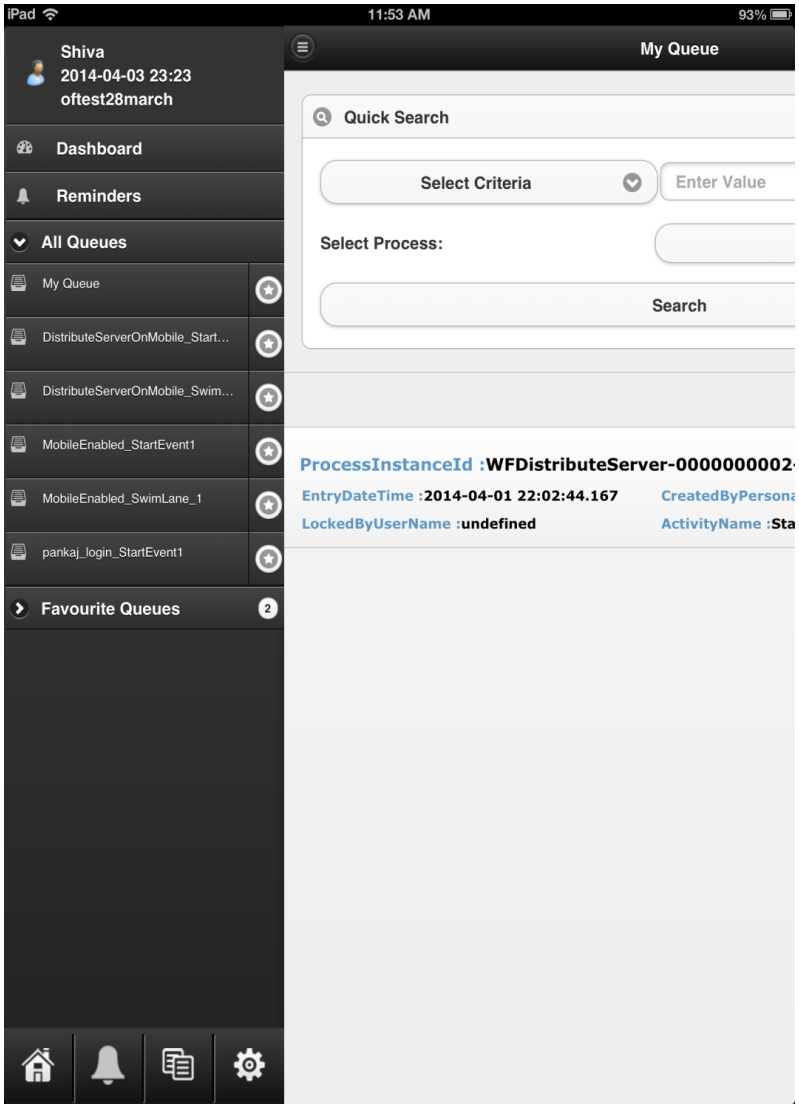

Figure 39: Mobile App Home View