

N790-

Go Ride Technical Design Document

**Version 3.0
<DATE>**

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Revision History

PROJECT ID:	Go Ride	START:		END:	YYMMDD
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VERSION (DATE)	PREPARED BY (MAIL ID)	REVIEWED BY (MAIL ID)
080306		
080312		
080324		

Definitions and Acronyms

<PROJECT NAME>	Go Ride
AD	Active Directory
OAP	On Air Promo(Promo reels)
MVA	Music Video Acquisition (Music videos)
PTS	Program Tracking System (Shows)
(*)	Items that are denoted with (*) are mandatory fields in each specific requirement/screen.

1. Introduction

1.1 Purpose

The purpose of the document is to

- Describe the technical requirements of the Alias Web Digital 3.0(<PROJECT NAME>) project, to be developed using Microsoft .Net 2.0 and Oracle 9i
- Describe current processes, practices and document improvements required to be implemented in the <PROJECT NAME>.
- List all the supplementary requirements of the <PROJECT NAME>.

1.2 Scope

This document describes the business and technical requirements for the <PROJECT NAME> application. The document also covers usability aspects. Usability aspects are covered in detail in referenced documents but relevant portions from the usability documents are covered here.

1.1.0 Areas within scope

The following areas are within the scope of the <PROJECT NAME>:

1. Quick search
2. Advanced search
 - Add Items to cart
 - Add Items to Scratch box
 - Add Items to pull List
3. Browse
 - Music Video Search (MVA)
 - Promo Reel Search (OAP)
 - Finished search (PTS)
4. 3 different views
 - Thumb View
 - Thumb List View
 - List View
5. Login
6. Update profile
7. User preferences
8. File upload
9. View upload
 - Search Uploaded Items
 - View/download searched item
 - Delete item
10. Checkout
11. View cart
 - Delete Items
12. Scratch box
 - Add item to cart
 - Add item to pull List
 - Delete Item
13. Pull list
 - Add New List
 - Rename List
 - Delete List
 - Share List
 - Move List & List Items
 - Copy List & List Items
 - Add Items to Scratch box
 - Add Items to User Cart
 - Clear List
 - Export List Items to Excel

- Export List Items to PDF
- 14. Request status
 - Deliver job
 - Physical shipping using ALIAS.NET
 - Network file copy by using Catapult
 - Transcode job
 - Download Job
- 15. Accordion Control (Describe the remote .net methods which return the audio/video metadata to flash)
- 16. View material details

1.1.1 Areas Out of Scope

The following areas are out of the scope of the new system:

- Performing Transcode requests
- Deliver requested items

1.3 References

Document	Version	Date
<PROJECT NAME> Mock-ups	1.8	5 th Mar 2008

2. Overall Description

2.1 Overview of <Project Name>

<PROJECT NAME> is targeted to production users. The main functions that user group performs are:

1. Register New User
2. Update Profile
3. View and Upload files
4. Set User preferences
5. Search: Quick Search and Advanced Search
6. Browse Assets
7. Preview an Asset
8. Pull Lists
9. Scratch box
10. Request an Asset
11. Requests tracking
12. View and print Request details
13. View Asset Details

1.1.2 Register new user

Using this screen, a new user can register himself to AliasWebDigital. Basically the user needs to provide his first name, last name, location and telephone number. He should also select a unique username of his choice.

1.1.3 Update Profile

All registered users can update their profile by updating their profile information including password, but users are not allowed to change their user name.

1.1.4 View and Upload Files

User can upload transcripts; also they can search, view / download transcripts.

1.1.5 User preferences

User can set the preferences like Theme, number of results to be displayed per page, image size of thumbnails.

1.1.6 Search Function

The Search function is divided into Quick Search and Advanced Search. At its most elemental, an Advanced Search applies user defined filters to a Quick Search.

Quick Search:

Searching an asset is a vital function in <PROJECT NAME>. It is given top-most status to users. The Quick Search field is accessible at all times without having to navigate or click through to it. Located at the top left of the page, it is never scrolled out of view and it has an 'intuitive' location. Users expect to find search functions at either the top right or top left of a web page.

The user experience is intended to be similar to a Google search, where as many keywords as the user wishes are inserted into the field and the search is initiated by either pressing Return (keyboard) or clicking on the Go button.

Advanced Search:

The Advanced Search is a Quick Search coupled with filters set by user. The user can either run a previously saved search from a drop-down list or input data into the displayed filters and run as new search.

A Saved Search runs in two steps. The Run button simply populates the filters and fields of the Advanced Search criteria. This allows the user to edit the saved search as necessary before submitting the search. It has been observed that searches can take several seconds to return results, by allowing a user to check and edit the saved search prior to submitting it, the user can save time.

A user may save any Advanced Search by entering a name in the Save Search As field and clicking on Save. The name will then appear in the saved search list, and on selection will again populate the search filters and fields with the saved settings. The saved search includes inputs in the Keywords field and the filter options. The user may delete a saved search by selecting it from the drop down box and clicking Delete.

1.1.7 Browse Function

(Need to verify with client whether we will use GO RIDE 2.0 search pages for OAP and MVA)

In Browse, PTS search function allows users to navigate to a particular material via a pathway of categories. The categories have not been defined yet. Each category is effectively a list resulting from a filter on the previous list.

And the other searches are normal searches fetching results based on filter criteria set by user.

Browse can perform search on the following 3 databases:

MVA: Searches for Music videos

OAP: Searches for Promos

PTS: Searches for Shows

The final display is the most granular browse category.

1.1.8 Scratch box

The find a ride process in GO RIDE follows a typical sharing process. The GO RIDE find a ride sharing proceeds as:

Move select the vehicle (or either search results or Pull List) into a staging ground where you find the greater detail . The staging area is the Scratch box. The Scratch box shows a horizontal filmstrip summary, from which the user can select which asset to choose. The selected asset is displayed with the complete details of the vehicle.

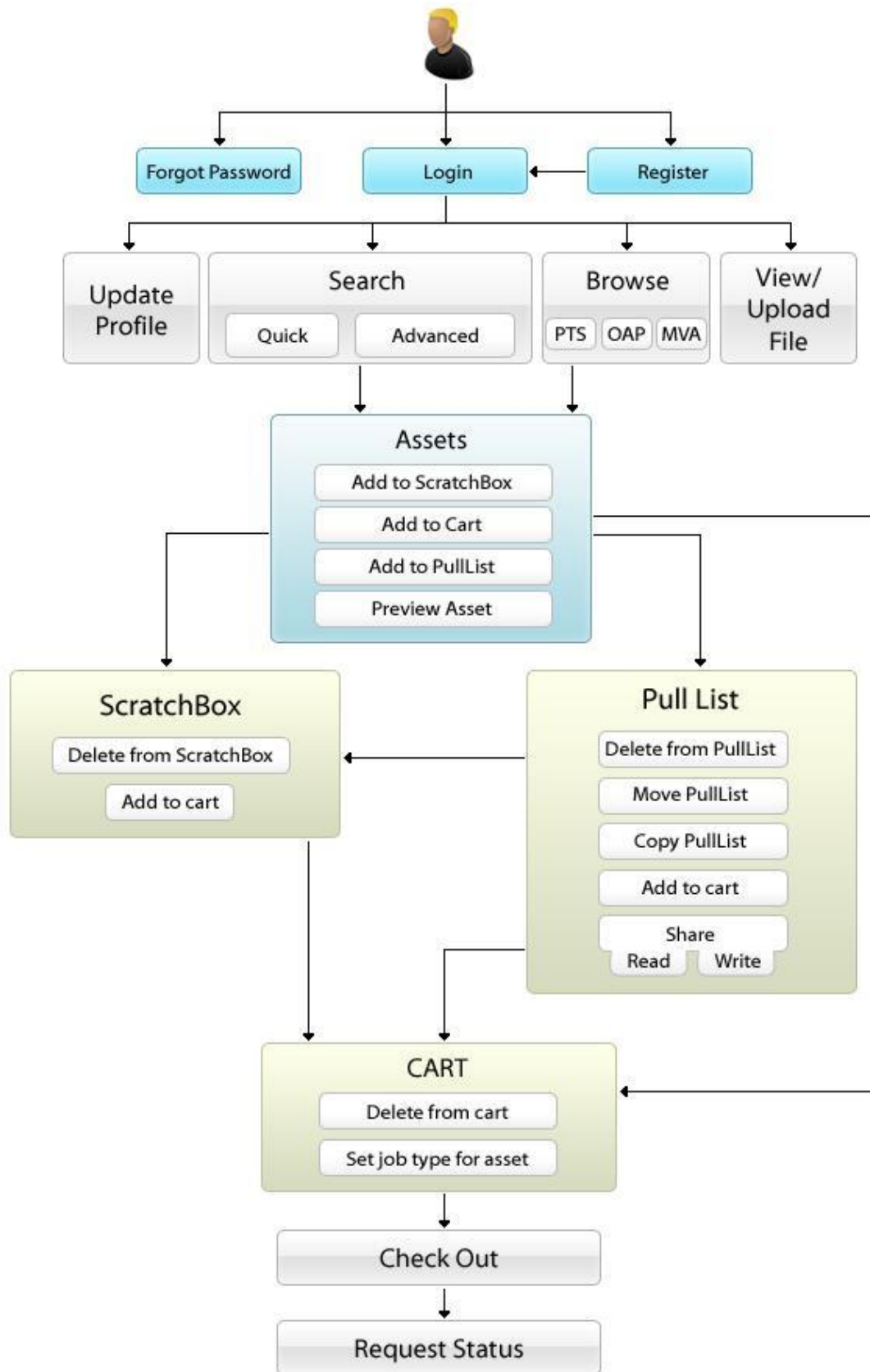
1.1.9 **Checking Status of Requests**

The user may check the status of the vehicle by contacting the driver(or the owner)of the car with the details given in the booking. the car selected will be shown in My Booking screen

1.1.10 **View Asset details**

The user can view the complete details of the asset and preview it.

The following diagram shows the high level GO RIDE Functionality



After registering into Go Ride, User can do the following

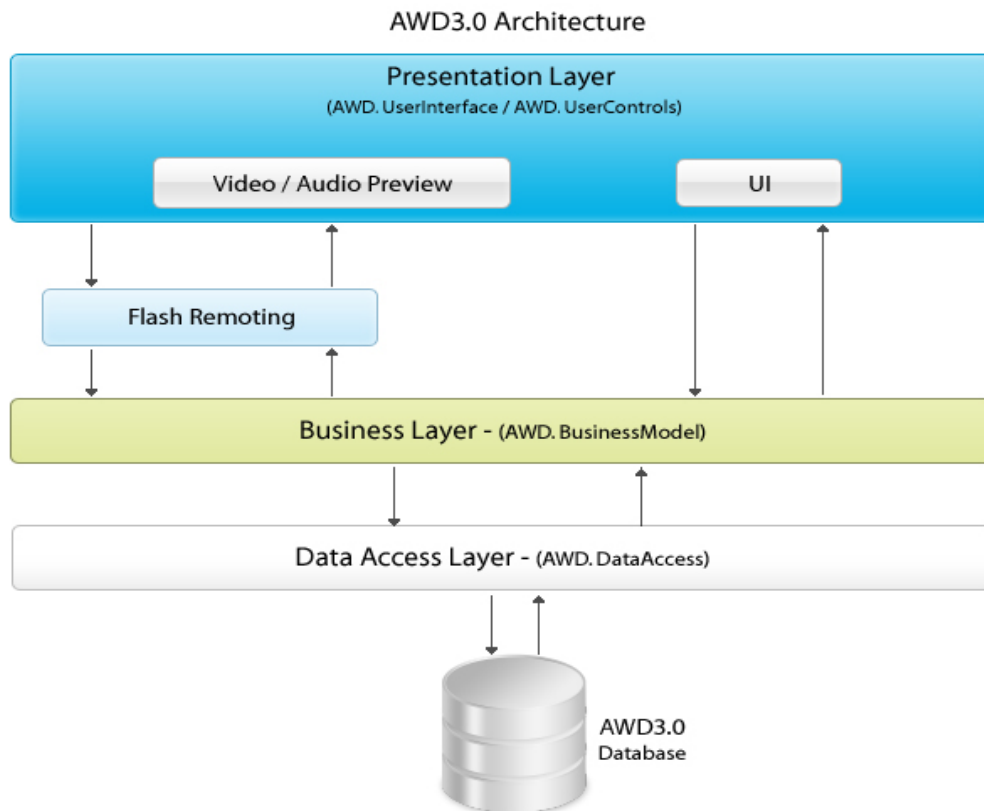
- Can find a ride or offer a ride.
- Select the ride from preferred source location to destination.
- Select the suitable ride from the rides offered.
- View the booking details, journey details and driver details.
- select the number of seats available.

Note: User needs to login, which is a prerequisite to access the above features.

2.2 System Architecture:

The propose GO RIDE project will follow the MVC pattern; it typically uses the N-Tier model that enables optimal performance and maintainability of GO RIDE implemented systems. The architecture can be modified if required to suit the GO RIDE functionality. The separation of components into logical tiers provides more application flexibility and software component/module reuse, among other benefits. This layered environment also simplifies code distribution. This fosters a loosely coupled and tightly cohesive architecture in which objects in each layer are focused on specific architectural responsibilities yet, cleanly integrate with the other layers.

The following diagram illustrates this design approach and is listed vertically across the diagram.



- **Presentation Layer** - Responsible for the presentation of data, receiving user events and controlling the user interface. The business layer objects are instantiated and consumed by the presentation layer.

- **Business Layer** – Represents the actual entities of the system as well it provides the facility to add business rules where necessary. This tier encapsulates and protects the data from direct access by the clients.
- **Data Access Layer** – Responsible for identifying underlying database specific components such as Data Provider as well as the Data Source. This layer directly interacts with database to retrieve data, perform operations against it.
- **Database** – Stores GO RIDE applications data in database tables also contains data objects such as procedures, functions, views, roles and jobs.

2.3 Dependencies and Assumptions

Assumptions:

- Weather the rides are offered on the specified date.

Dependencies:

- As transcode and delivery jobs are dependent on Catapult, need access to it.
- Need access to MVA, OAP databases.

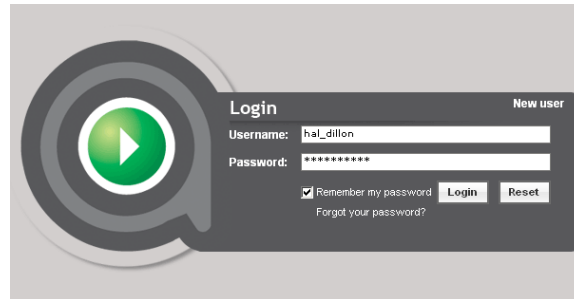
3. Technical Description

3.1 Overview

This section gives technical information about the forms and its controls along with the database mappings

3.2 Detail Description of Requirements

1.1.11 Login



The fields are:

Field Name	Field Description	Field Type	Mandatory
Login	Login label	Label	Yes
Username	Username to login	Editable Alphanumeric text box.	Yes
Password	Password for authentication	Editable Alphanumeric text box.	Yes
Login	Button to login	Button	Yes
Reset	Button to reset Login form	Button	Yes
New User	Link takes to Registration page	Hyperlink	Yes
Remember my password	Checkbox to remember your password	Checkbox	Yes
Forgot your password	Link takes to Forgot Password screen	Hyperlink	Yes

Database Information:

Table Name: USER

Fields mapping:

Field Name	DB Field Name	Description
Username	USER_NAME	Username of the user
Password	USER_PWD	Password for the username

Scenario:

It should let the user to access the application upon supplying valid credentials only, otherwise prompt the user an authentication failed message.

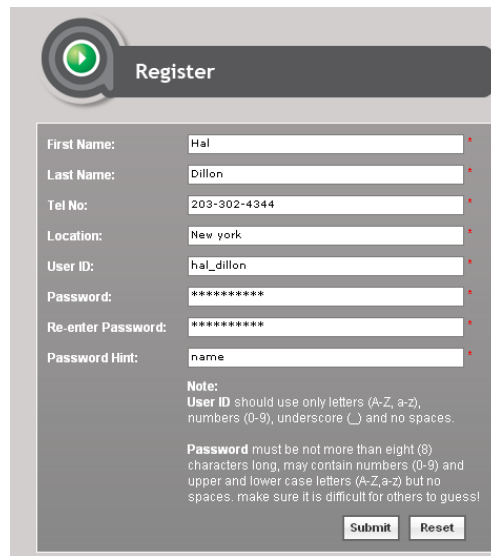
Stored Procedure:

- SP_VERIFY_LOGIN

Database Changes:

N/A

1.1.12 Register User



The image shows a web form titled "Register" with a green play button icon. The form contains the following fields: First Name (Hal), Last Name (Dillon), Tel No (203-302-4344), Location (New york), User ID (hal_dillon), Password (*****), Re-enter Password (*****), and Password Hint (name). Each field has a red asterisk indicating it is mandatory. Below the fields is a "Note" section with two paragraphs of instructions. At the bottom right are "Submit" and "Reset" buttons.

Register

First Name: Hal *

Last Name: Dillon *

Tel No: 203-302-4344 *

Location: New york *

User ID: hal_dillon *

Password: ***** *

Re-enter Password: ***** *

Password Hint: name *

Note:
 User ID should use only letters (A-Z, a-z), numbers (0-9), underscore () and no spaces.
 Password must be not more than eight (8) characters long, may contain numbers (0-9) and upper and lower case letters (A-Z, a-z) but no spaces. make sure it is difficult for others to guess!

Submit Reset

The fields are:

Field Name	Field Description	Field Type	Mandatory
Full Name	Full Name of User	Textbox	Yes
Email Address	Email address of user	Textbox	Yes
Password	Password for authentication	Editable Alphanumeric text box	Yes
Note	I agree with terms and conditions	Label	Yes
Create an Account	Button to initiate registration	Button	Yes

Database Information:

Table Name: USER

Fields mapping:

Field Name	DB Field Name	Description
Full Name	USER_NAME	Full name of the user
Email Address	USER_ID	Email address of the user
Password	USER_PSWD	Password for the username

Scenario:

After finishing all the required validations, creates a record in respective table thus completes the new user registration process.

Stored Procedure:

- SP_CREATE_USER

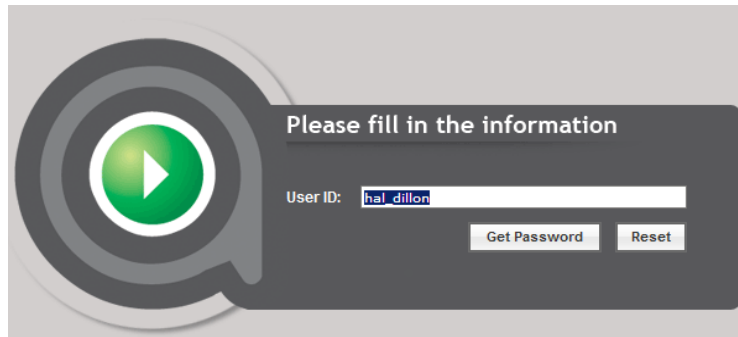
Database Changes:

N/A

Database Changes:

N/A

1.1.13 Forgot Password



The image shows a web form titled "Please fill in the information". On the left is a large green play button icon inside a speech bubble. To the right of the icon is a text input field labeled "User ID:" containing the text "hal dillon". Below the input field are two buttons: "Get Password" and "Reset".

The fields are:

Field Name	Field Description	Field Type	Mandatory
MAIL-ID	Mail-id of the user	Textbox	Yes
SEND	Button to get the password	Button	Yes

Database Information:

Table Name: USER

Fields mapping:

Field Name	DB Field Name	Description
MAIL ID	USER_MAIL-ID	Username chosen by the user

Scenario:

After finishing all the needed validations, gets the password from the table.

Stored Procedure:

- SP_GET FORGOT PWD

Database Changes:

N/A

1.1.14 Browse

15876113.1.0.1 MVA Search

The fields are:

Field Name	Field Description	Field Type	Mandatory
Choose file	search for file	hyperlink	yes
Upload	Upload the file	Button	N/A

Database Information:

Table Name: USER

Fields mapping:

Profile photo	USER_PHOTO	Search and upload the photo of the user
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Scenario:

upload the file.

Database Changes:

N/A

Move Pull List:

Here user can copy the selected list item to new pull list item or existing pull list item.

Pull List Name: * Copy Selected Items To:

Pull List Owner: **Hal Dillon** ☒ Existing ☐ New

Created On: **12/03/07** Within:

Fields:

Field Name	Field Description	Field Type	Mandatory
Pull List Name	Here user can give new pull list name are he can use existing pull list name to copy	Editable Text Box	Yes
Pull List Owner	Name of owner who created the selected Pull List Item	Non Editable Data List Item.	N/A
Created On	Date of Creation of the selected pull list item	Non Editable Data List Item	N/A
Option Buttons (Existing)	If user selects existing option then he can copy the selected pull list item to existing pull list item	Radio Button	N/A
Option Buttons (New)	If user select the new option button then he need to provide the new item description for which he need to copy the selected item	Radio Button	N/A
Within	This contains the entire existing Pull List item. When user adding new item to existing one we need to select form this control	Dropdown List	N/A
New Item	Here user need to enter the New item description to which he want to copy the selected Pull List Item	Editable Textbox	Yes
Move	When user clicks on the copy then the Pull List	Button	N/A

	item will be copied		
--	---------------------	--	--

Database Changes:

N/A

Stored Procedure:

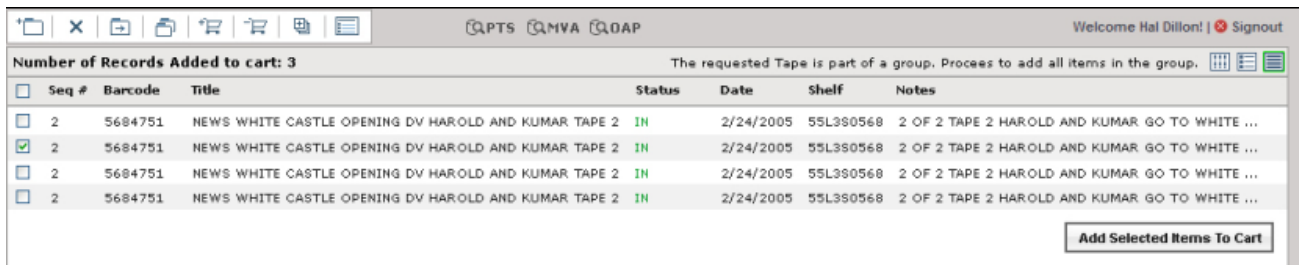
- **PKG_PULL_LIST.USB_PULL_LIST_NODE_COPY**

Scenario:**Add to Cart:**

In this we need to add the selected item to the User Cart. When we click on Add to cart it will display all existing items in the Cart

**Scenario:**

When user selects the item and clicks on the Add Cart Image at the top of the screen or at the item level image the selected items will be inserted into the database. In case the selected item is Group Item then it shows the rest of the records or items of that Group. User can select items from that group and he can add to cart there and itself.

**Fields:**

Field Name	Field Description	Field Type	Mandatory
Add to Cart	Option to Select Check Box to add to Cart	Check Box	N/A
Seq #	Sequence number	Non Editable Data List Item.	N/A
Title	Title of the Item	Non Editable Data List Item	N/A
Status	Status of the Item	Non Editable Data List Item	N/A
Date	Last Modified Date	Non Editable Data List Item	N/A
Shelf	Location of the Item	Non Editable Data List Item	N/A
Notes	Detail notes of the Item	Non Editable Data List Item	N/A
Add Checked Items to Cart	When user clicks on button selected items will be added to cart	Button	N/A

Database Changes:

N/A




Stored Procedure:

- LIBMAN.P_WEB_ADD_ITEMS.SP_WEB_ADD_ITEMS

DB Field Name	Description
WEB_REQUEST.MATERIAL_ID	Selected Node Id
WEB_REQUEST.WEB_USERID	Login User Id
WEB_REQUEST.WEB_LAST_UPD_DATETIME	Transaction Date and Time

View Cart:

In this all the items which are added to cart will be displayed

Cart Items: 15							  
<input type="checkbox"/> Asset	Barcode	Rendition	Job Type	Quantity	Location	Format	
<input type="checkbox"/> Britney In The Zone...	5456904	Raw Footage	Download	1	TBD	CD	
<input type="checkbox"/> Dear Diary	5457901	24 Track Audio	Download	1	Iron Mountain NJ	Cassette Audio	
<input type="checkbox"/> Lonely	5457956	Raw Footage	Download	1	Iron Mountain NJ	CD 1	
<input type="checkbox"/> Don't Go Knocking On...	5457587	Digital Master	Download	1	Iron Mountain NJ	CDR	
<input type="checkbox"/> Gimmi more	5456587	Clone	Download	1	Iron Mountain NJ	CS	
<input type="checkbox"/> I'm A Slave 4 U	5447587	Raw Footage	Download	1	Iron Mountain NJ	D1	
<input type="checkbox"/> What i want is...	5457901	Beta Transfer	Download	5	Iron Mountain NJ	CD	
<input type="checkbox"/> Grammy awards	5457956	Flash Proxy	Deliver	1	Iron Mountain NJ	CDR	
<input type="checkbox"/> Showdown	5456904	Audio Visual	Download	1	Iron Mountain NJ	Cassette Audio	
<input type="checkbox"/> Britney live	5457587	Raw Footage	Pickup	6	Iron Mountain NJ	CS	
<input type="checkbox"/> Dear Diary	5459587	Raw Footage	Deliver	1	Iron Mountain NJ	Cassette Audio	
							<input type="button" value="Checkout Selected Items"/>

Fields:

Field Name	Field Description	Field Type	Mandatory
Asset	Item Name	Non Editable Data List Item.	N/A
Barcode	Barcode of the Item	Non Editable Data List Item.	N/A
Rendition	Type of the Item	Non Editable Data List Item	N/A
Job Type	Job type of the Item i.e. Download or Deliver etc	Non Editable Data List Item	N/A
Quantity	Quantity of the selected Item	Non Editable Data List Item	N/A
Location	Location of the Item	Non Editable Data List Item	N/A
Format	Format of the Item to be delivery	Non Editable Data List Item	N/A
Checkout	Finalize the Cart to Order	Button	N/A

Scenario:

In the View cart each and every item will have a Barcode. When user clicks on the Barcode it will display all the Material details of that item.

[QPTS](#) [QMVA](#) [LOAP](#) Welcome Hal Dillon! | [Logout](#)

Material Page

Title: New Line Cinema Summer 04 Preview Reel

Subject

Physical Attributes			
Barcode:	5821766	Library:	55L
Recycle:	0	Shelf:	55L350820
Brand:	Sony	Location:	-
Format:	ES	Status:	OUT
Length:	20	Request #:	5456901

Content Parameter			
Standard:	NTSC	Entered Date:	23/01/08
Type:	Footage	Recorded Date:	23/01/08
Version:	-	Attachments:	3
Rights clearance:	N	Rights clearance desc:	Restricted to MTV News

Notes:

1 of 1

TRT 10:45

Log enclosed

Notebook trailer

Harlod and Kumar go to white castle

Submitted by MTV News

Channel Listing

MTV

Project / Program Listing

MTV News

Fields:

Field Name	Field Description	Field Type	Mandatory
Title	Title of the Selected Item	Non Editable Data item	N/A
Subject	Subject of the Item	Non Editable Data item	N/A
Barcode	Barcode	Non Editable Data item	N/A
Brand	Brand of the Item	Non Editable Data item	N/A
Format	Format of the Selected Item	Non Editable Data item	N/A
Length	Length of the Tape or Item	Non Editable Data item	N/A
Library	Library Name	Non Editable Data item	N/A
Shelf	In which shelf the item is available	Non Editable Data item	N/A
Location	Location of the Item	Non Editable Data item	N/A
Status	Available status of Item	Non Editable Data item	N/A
Standard		Non Editable Data item	N/A
Type	Type of the Item	Non Editable Data item	N/A
Version	Version of the Item	Non Editable Data item	N/A
Rights Clearance		Non Editable Data item	N/A
Entered Date	Creation or Date of Entry in to the Library	Non Editable Data item	N/A
Recorded Date	Item recorded date	Non Editable Data item	N/A
Part of Group	Group Name	Non Editable Data item	N/A
Notes	Notes of that item	Non Editable Data item	N/A
Channel	Name of the Channel it is going to List	Non Editable Data item	N/A
Program/Project Listing	Name of the Program	Non Editable Data item	N/A

Database Changes:

N/A

Stored Procedure:

- P_WEB_MATERIAL_INFO.SP_WEB_GET_CONFIRM_REQ_ITEM
- P_WEB_MATERIAL_INFO.HIGH.SP_WEB_GET_MATERIAL

Check Out:

After completion of adding to cart user now can raise that request from Check out Screen.

Cost Center:	<input type="text" value="NKPR134"/>	Pick Up Library:	<input type="text" value="22L"/>
Requestor:	<input type="text" value="Tom"/>	Facility:	<input type="text" value="ACCORD - MIA"/>
Phone:	<input type="text" value="203-302-4344"/>	Notes:	<input type="text" value="Notes.."/>
Location:	<input type="text" value="USA"/>		
Supervisor:	<input type="text" value="Tom"/>		

Checkout Confirmation						
<input type="checkbox"/> Asset	Barcode	Rendition	Job Type	Quantity	Location	Format
<input type="checkbox"/> Britney In The Zone...	5456901	Raw Footage	Download	1	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Dear Diary	5457901	24 Track Audio	Deliver	5	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Lonely	5457956	Edited Master	Pickup	2	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Don't Go Knockin' On	5457587	Raw Footage	Deliver	1	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Gimmi more	5454587	Digital Master	Deliver	3	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> I'm A Slave 4 U	5447587	Clone	Deliver	1	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> What i want is...	5459587	Raw Footage	Deliver	1	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Grammy awards	5121587	Beta Transfer	Deliver	2	Iron Mountain NJ	Cassette Audio
<input type="checkbox"/> Showdown	5445847	Flash Proxy	Deliver	1	Iron Mountain NJ	Cassette Audio

Fields:

Field Name	Field Description	Field Type	Mandatory
Cost Center	Against one cost center each order will be posted	Editable Text Item	Yes
Requestor	Name of the User	Editable Text Item	Yes
Phone	Phone Number of the Requestor	Editable Text Item	Yes
Location	Location to delivery the selected items	Editable Text Item	Yes
Supervisor	Supervisor of the Login User	Editable Text Item	Yes
Pickup Library	Library Name from where Items should be picked up	Selectable dropdown list	Yes
Facility	It is a common area where all the items will be delivered and user can collect from there.	Non Editable Data List Item	Yes
Notes	Description for the Checkout	Editable Text Area	N/A
Checkout	When user clicks on this the request will be sent to the database	Button	N/A
Asset	Item Name	Non Editable Data List Item.	N/A
Barcode	Barcode of the Item	Non Editable Data List Item.	N/A
Rendition	Type of the Item	Non Editable Data List Item	N/A
Job Type	Job type of the Item i.e. Download or Deliver etc	Non Editable Data List Item	N/A
Quantity	Quantity of the selected Item	Non Editable Data List Item	N/A
Location	Location of the Item	Non Editable Data List Item	N/A
Format	Format of the Item to be delivery	Non Editable Data List Item	N/A
Checkout	Finalize the Cart to Order	Button	N/A

Scenario:

After completion of the Adding items to Cart user need to raise the request.

Database Changes:

N/A

Stored Procedure:

- SP_WEB_CONFIRM_REQUEST

Check Request Status:

After user check outs all his cart items it show up the status details of that request.

Request Number:	5456901	Request Date:	11/12/07
Cost Center:	NKPR134	Description:	On AIR Continuity Nick
Pickup Library:	BWL	Facility:	Ascent Media
Requestor:	Tom	Phone:	123-456-7890
User Location:	USA	Request Type:	Loaned Out
Supervisor:	Tom		
Notes:	Loren Ipsum dolor sit amet, consectetur adipiscing elit.		
<input type="button" value="Download"/>			

Fields:

Field Name	Field Description	Field Type	Mandatory
Request Number	A Sequence number will be allocated for single order.	Non Editable Data Item	N/A
Request Date	Date of Request of the Order	Non Editable Data Item	N/A
Cost Center	Order Cost Center which is selected in the Checkout Operations	Non Editable Data Item	N/A
Description	Description of the Order	Non Editable Data Item	N/A
Pickup Library	Library name from where items will be picked up	Non Editable Data Item	N/A
Facility		Non Editable Data Item	N/A
Requestor	Name of the Requestor who raised the order	Non Editable Data Item	N/A
Phone	Phone number of the Requestor	Non Editable Data Item	N/A
User Location	Delivery Location	Non Editable Data Item	N/A
Request Type	Type of the Order	Non Editable Data Item	N/A
Supervisor	Supervisor of the Requestor	Non Editable Data Item	N/A
Notes	Noted related to that order	Non Editable Data Item	N/A

Scenario:

In this screen, the request status will be displayed.

Database Changes:

N/A

Stored Procedure:

- P_WEB_MATERIAL_INFO.SP_WEB_GET_REQUEST_HEADER

15876113.1.1 Scratch Box

Assets can be added to scratch box at any time by clicking “Add to Scratchbox” which is available at top corner of the screen.



Below shown is the Scratch Box screen.

Scratchbox

Britney in the Zone Raw
170401
3:44:21
7 GB

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse vestibulum ante in elit. Nunc at nunc nonummy duis facilis iaculis. Suspendisse luctus magna in nibh. Fusce a metus. Fusce sit amet nunc. Fusce quam est, iaculis sit amet, cursus vitae, pellentesque at, nisi. Nunc iaculis viverra purus. Donec elementum lorem at enim. Quisque gravida orci at ligula. In vehicula, urna ut

Status: IN Brand: Sony
 Format: Box Restrict?: Y
 Library: 55L Entered date: 23/01/08
 Shelf: 55L35a020 Recorded date: 23/01/08
 Location: - Attachments: 3
 Standard: NTSC Versions: -
 Type: Footage Rights clearance: N

Request Definition: Digital Asset

Request Type: ☒ Transcode ☐ Delivery

Transcode Format:

Deliver To:

Delivery Location:

Notes:

Another Add to Cart

Frames: 1000 Markin: 90000 ms
 Milliseconds: 100 Markout: 104000 ms Subnav

Title: gimmi more1
 Start Time: 2000 ms End Time: 13000 ms Total Time: 11000 ms
 Title: gimmi more1
 Start Time: 31500 ms End Time: 48000 ms Total Time: 18000 ms

Scratchbox Summary: 15 Assets

Britney in the Zone Raw 5455945 Mini DV IN
 What i want is... 5455905 Mini DV IN
 Grammy awards 5455908 Cassette OUT
 Toxic 5455671 Mini DVD OUT
 Gimmi more 5455589 Mini DV IN

Fields:

Field Name	Field Description	Field Type	Mandatory
Title	Title of the material	Label	N/A
Released Date	Material Released Date Time	Label	N/A
Size	Size of the Material (File Size)	Label	N/A
Material Description	Description of the Material	Html inner text	N/A
Status	Availability of the Material	Label	N/A
Brand	Brand of the Material	Label	N/A
Format	Format of the material	Label	N/A
Restrict	Indicating restrictions	Label	N/A
Library	Name of the Library	Label	N/A
Entered Date	Date the material was entered	Label	N/A
Recorded Date	Date the material was recorded	Label	N/A
Location	Location of the material	Label	N/A
Attachments	Number of attachments to the material	Label	N/A

Standard	Type of standard used NTSC / PAL	Label	N/A
Version	Version of the material	Label	N/A
Type	Type of the Material	Label	N/A
Rights Clearance	Indicating rights clearance	Label	N/A
Request Definition	Heading for request	Label	N/A
Request Type	Type of the Request	RadioButtonList	Yes
Transcode Format	Output format after Transcode	Dropdown List	Yes(If the material is a digital asset only)
Delivery Location	Location where material should be delivered	Dropdown List	Yes
Notes	Notes against the material	Text Area	No
Another	Button to request another asset	Button	N/A
Add to Cart	Button to add asset to cart	Button	N/A
Preview component	component to preview Audio / Video files	Accordion Control	N/A

Fields in the Preview Component:

Field Name	Field Description	Field Type	Mandatory
Frames	Whether duration of the clip selected in frames	Radio Button	No
Milliseconds	Whether duration of the clip selected in milliseconds	Radio Button	No
Mark in	Mark starting point of the clip	Slider	N/A
Mark out	Mark ending point of the clip	Slider	N/A
Title	Title of the Material	Label	N/A
Start Time	Start time of the clip	Label	N/A
End Time	End time of the clip	Label	N/A
Total Time	Total duration of the clip	Label	N/A
Green Button	Button to start the video	Button	N/A
Red Button	Button to stop the video	Button	N/A

Fields in the Scratchbox:

Field Name	Field Description	Field Type	Mandatory
Image	Thumb view of the asset	Image	N/A
Title	Title of the Material	Label	N/A
Barcode	Barcode of the Material	Link Button	N/A
Format	Format of the Material	Label	N/A
Status	Availability of the Material	Label	N/A
Checkbox	Checkbox to add to cart	Checkbox	No
Add to Cart	Link to add asset to cart	Link Button	N/A
Delete From Scratch Box	Link to delete asset from scratch box	Link Button	N/A

Database Changes:

Need to create a new table to store the user preferences. Let's say 'SCRATCHBOX'

The table would contain the following fields.

- ScratchboxId: Identity field with seed 1 and starts with 1.
- User_Id: Foreign key reference to "APP_USER_PROFILE" Table.
- Material_Id: Foreign key reference to "MATERIAL" Table.

Scenario:

Whenever User clicks “Add to Scratch Box” button after selecting asset, Code needs to capture “User_id” and “Item_Id” and save these values in the “SCRATCHBOX” Table. Whenever User clicks “Delete from Scratch Box” button after selecting asset, Code needs to delete asset from “SCRATCHBOX” Table.

Stored Procedure:

- PKG_SCRATCHBOX.INSERT_ASSET_SCRATCHBOX
- PKG_SCRATCHBOX.DELETE_ASSET_SCRATCHBOX

15876113.1.2 Handling Different job Types

Request Type: ☒ **Transcode** ☐ **Delivery**

Transcode Format:

Deliver To:

Delivery Location:

Notes:

Fields:

Field Name	Field Description	Field Type	Mandatory
Request Type	Type of request, whether Transcode or Delivery job	Radio button	No
Transcode Format	Type of format user requested for	Dropdown	No
Deliver Location	Location where the output file to be stored/moved.	Dropdown	No
Notes	User notes if any	Multi line Text box	No
Another	When clicked, created another similar instance to get user inputs for another asset.	Button	N/A
Add to Cart	When clicked, adds the checked items to cart	Button	N/A

A user can select a job type to more than one asset by selecting batch or for each asset individually.

Job Types

Available three different job types are:

1. Transcode
2. Deliver
3. Download

Any of the three different types of jobs can be selected against batch or single asset

1. Transcode Job Type

The selection of this job type indicates that the user wants to Transcode an asset (digital file) from one format to another. Example: Transcoding from .MXF to .MOV (lets say)

For such a job request we need to provide the following inputs.

1. Input file name
2. Input file path
3. Output file name
4. Output file format (Delivery format)
5. Output file location(Delivery location)
6. Job Severity (optional)

This information will be inserted into the Transcode job Queue detail table

2. Deliver Job Type

The selection of this job type indicates that the user wants to copy/move an asset (digital file) from one location to another. These types of jobs are submitted to external service called Catapult, which manages to complete the job.

For such a job request we need to provide the following inputs.

1. Input file name
2. Input file path
3. Output file name
4. Output file location(Delivery location)
5. Job Severity (optional)

This information will be inserted into the Transcode job Queue detail table

3. Download Job Type

The selection of this job type indicates that the user wants to download files on to his desktop or on to network shared drive. These kinds of actions are audited by logging them into audit tables.

User should be able to view the logged records in a new screen

Note: If multiple items are selected for download then collect all files together, zip it and then download

This action will be inserted into the Download Audit table.

DB Changes

1. Need to create a new table to hold the Transcode job Queue detail

This table may contain the following fields (fields are subject to change)

- Material id – material id of the asset
- Barcode- barcode of the asset
- Type- type of the asset
- Format- format of the asset
- Destination Format- target format to be done by Transcode Server
- Destination Location- target location where the output file is stored.
- File path- input file path
- Result- column indication success or failure
- Notes- Description / Notes that the user wants to put against that job.

2. Need to create a new table for download Audit details

This table may contain the following fields (fields are subject to change)

- User id- id of the current user
- Material id – material id of the asset
- Barcode- barcode of the asset
- Type- type of the asset
- Format- format of the asset
- Destination Location- target location where the output file is stored.
- File path- input file path

- Action- indicated what type of action user is performing (Like download)
- Action Date- Timestamp when action performed.
- Notes- Description / Notes that the user wants to put against that job.

Stored procedures

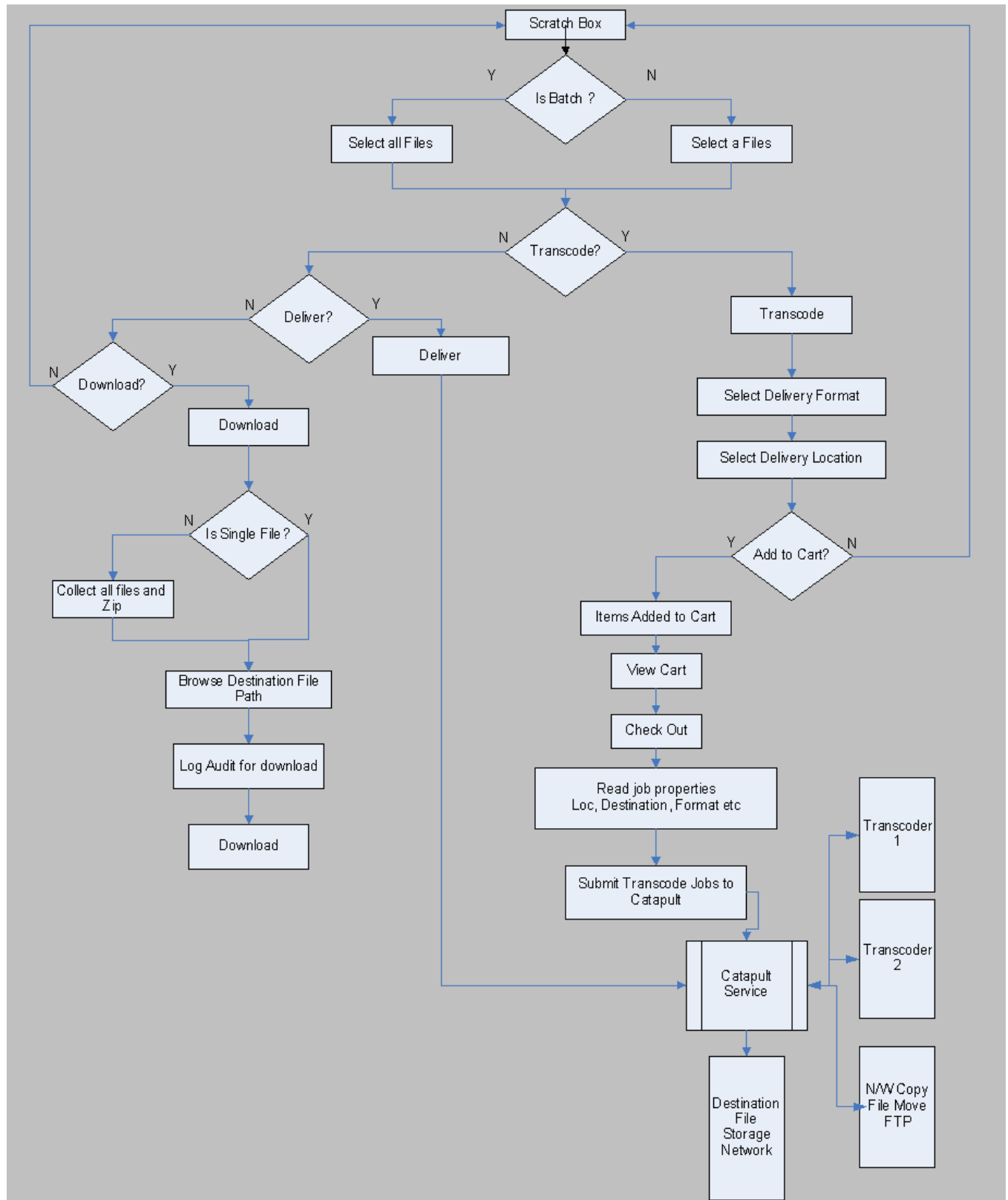
Need to create stored procedures for supporting the above functionality.

Scenario:

Whenever the user creates a new Transcode job request in Scratch box before checkout, all such records should be stored in Transcode job Queue detail table. A tracking mechanism to be provided to show user about the jobs that succeeded and jobs that failed. User should also be able to re-submit failed jobs. Whenever the user downloads a file, this action should be logged in 'download Audit details' table.

Flow Chart:

The typical workflow for three types of jobs shown below:



15876113.1.3 Upload File

This screen is used to Upload File.

Fields:

Field Name	Field Description	Field Type	Mandatory
Title	Title of the material	Textbox	Yes
Type	Type of the material	Dropdown list	Yes
Comments	Comments of the User	Text area	No
Cost Center	Cost Center	Textbox	Yes
Name	Name of the User	Textbox	Yes
Location	Location of the User	Textbox	Yes
Phone	Phone Number of the User	Textbox	Yes
Select File	Select File to be uploaded	File	Yes
Browse	Browse to select the file from the hard disk	File	N/A
Upload	Button to upload the selected file	Button	N/A

Database Changes:

N/A

Scenario:

Whenever User clicks "Upload" button after filling the fields, Code needs to save browsed file in the Table "GT_MEDIA" along with the above fields

Stored Procedure:

- SP_WEB_VERIFY_COSTCENTER
- SP_WEB_INSERT_MEDIA

15876113.1.4 View Upload

This screen is used to View Uploaded Files.

File Name:	Master_Smoke_Test_Production.xls	Sort on:	<input type="checkbox"/> File Name
Username:	hal_dillon	<input type="checkbox"/> Username	
Confirmation Code:	CC00379079	<input type="checkbox"/> Confirmation Code	
Upload Date:	29-Nov-07	<input type="checkbox"/> Upload Date	
<input type="radio"/> Starts with <input type="radio"/> Contains		<input type="button" value="Reset"/> <input type="button" value="Search"/>	

<input type="checkbox"/> File Name	Username	Upload Date	Confirmation Code
<input checked="" type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input checked="" type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input checked="" type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input checked="" type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907
<input checked="" type="checkbox"/> Master_Smoke_Test_Production.xls	hal_dillon	29-Nov-07	CC0037907

Fields:

Field Name	Field Description	Field Type	Mandatory
File Name	Name of the File	Textbox	Yes
User Name	Name of the User	Textbox	Yes
Conformation Code	Conformation Code	Textbox	Yes
Upload Date	Date of Upload	Radio Button	Yes
Starts with	Starts with given criteria for searching	Radio Button	No
Contains	Contains the given criteria for searching	Textbox	No
Sort On	Sort On Fields which are selected in check boxes	Textbox	No
Reset	Button to clear all fields	Button	N/A
Search	Button to search uploaded files	Button	N/A

Database Changes:

N/A

Scenario:

Whenever User clicks "Search" button, Code needs to get all upload files information which are stored in the Table "GT_MEDIA" based on the search criteria and show them in the grid.

Stored Procedure:

- P_TRANSCRIPTLISTING.SP_TRANSCRIPT_LISTING

15876113.2 Supplementary Requirements

0.1.0 Reliability

- The system should facilitate users to perform their tasks independently. VIACOM expects the system to be available all the time. The application will be down only during the following:
 - o Routine Hardware Upgrades
 - o Software Patches
 - o Database Backups
- The following will be considered critical defects in the new system

- o Loss of data or loss of transactions.
 - o Inability to work within the application consistently
- The following will be considered significant defects in the new system.
 - o Error messages appearing at unknown places, unknown pop up error messages appearing during regular flow of the program
 - o Unauthorized access to features and data in the system
- All mandatory fields shall be denoted with "*"symbol in the label title.

Performance Requirements

Current No of Users	
Current No of Concurrent Users	
Expected No of Users	
Expected No of Concurrent Users	
Response Time	

Volume Requirement

The database size may increase up to N1 Size in a year.

Interfaces

0.1.0.1 User Interfaces

0.1.0.2 International Requirements

The system must support international formats based on the PC's regional settings. This applies to display for date, numerical values and special characters such as accents.

0.1.0.3 Hardware Interfaces

<Hardware Interfaces>

0.1.0.4 Software Interfaces

<Security>

3.3.5 Hardware-Software Requirements

Environment	Development	Test	Deployment
Client O/S	Win 2k/XP	Win 2k/XP/Vista	Win 2k/XP/Vista
Database	Oracle	Oracle	Oracle
.NET Framework	Version 2.0	Version 2.0	Version 2.0
Development Tool/Programming Language	VS.NET 2005/ C#		

Appendices

The following sections are meant to complement and further describe the system requirements laid out earlier in this document.