International Anytime Pay-Per-View

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Abstract

The problem is to design and implement a platform that provides the users with the ability to view their choice of programs in their choice of language at their choice of time. Besides offering the flexibility of time, another motivation is to allow people, residing anywhere in the world, to view movies, music, sports, and TV programs which are aired in their place of origin, thus removing any restrictions imposed by geographical bounds.

International Anytime Pay Per View offers its members a wide collection of programs in different languages from different nations. Customers can choose their favorite sections, preview audio/video clips before making a final selection, and make viewing schedules according to their convenience and choice of media all by either paying a monthly subscription or by paying on a per program basis.

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DESCRIPTION OF THE DOMAIN

InternationalAnytimePayPerView.com is a web-based application where customers can pay for and watch music/movies/TV programs/sports by subscribing to this website. An account is created for each customer and he/she can then rent any program for a specified period of time, i.e., he/she will have the ability to watch that particular audio/video stream at any time within that time period. Members will also be able to use features such as on demand/live viewing, preview/partial viewing, bookmarking favorites, and scheduling selections for future viewing.

BLOCK DIAGRAM
DESCRIPTION OF DESIRED PROGRAM

When a user visits InternationalAnytimePayPerView.com they can browse through the selection of programs such as music, movies, sports, soap operas, or sitcoms from different nations and in different languages. If a user wants to view a program then they are asked to become a member by filling out a subscription form. The user then chooses a login name and password for the account that is created for them.

The member can then select their choice of program and also the time when they want to view it. They will then be prompted to make a payment. The member can choose to either pay only for the program they want to view or select the option of paying a monthly subscription fee. The member will also have the ability to make selections for viewing at a later time thus creating a personal schedule. At a later time they can modify or cancel a selection in their schedule. In the case of cancellation they will be given a refund in the form of credit in their account. This credit can be used in making payments for later selections.

The member can also make a personal favorite section where they can filter the programs of their choice. They will also have features such as child lock mechanisms through which they can ensure that children cannot view inappropriate programming. They can also filter the list of programs from which they can make a selection on the basis of nationality, language, and cultural preferences.

DETAILED REQUIREMENTS

InternationalAnytimePayPerView.com offers the following features to its viewers:

- Allows users to subscribe and create an account
- Allows users to search the online collection of music/movies/TV programs/sports
- Allows users to preview before making a selection
- Allows users to select the program of their interest
- Allows users to create a schedule for future viewings
- Allow users to make payments via credit card for each order or by a monthly subscription fee.
- Allow users to filter the list of programs from which they can make a selection on the basis of nationality, language and cultural preference.
- Allows users to use features such as child lock mechanisms.
- Allows users to cancel a confirmed selection from his schedule
- In case of cancellation, the system will provide a refund in the form of credit to the users account
- Provide a reminder service to users prior to their viewing time
- Provide customer service to users

USE CASES

1) **Subscribe**: The user has to first **create an account** to be able to use the facilities offered. They will then use this account to **login** thereafter and use the services.
2) **Browse**: To make a selection the user can browse through the database on the basis of 
language, view type (either on demand or live stream), or program type (either music, 
movies, TV programs, or sports).

3) **Pre-view**: The users have the option of pre-viewing programs before making a selection.

4) **Make Schedule**: The viewer can make their own schedule of when they would like to 
view a program at a later time, i.e., they can make selections for the future and also set 
the time period of each. They can also make payments for these future selections.

5) **Cancel Selection**: This allows the viewer to cancel any selection that they have 
previously made to view in the future in which they would now like to cancel.

6) **Refund/Credit**: If the user cancels some selection that they have made and paid for, then 
they would be entitled for a refund in the form of credit against their account. They can 
use this credit to in place of a payment at some other time.

7) **Payment**: The user is required to make an online payment for the programs that they 
wish to view. This payment depends on charge of the program requested and the duration 
for which it is requested.

8) **Make Favorites**: The viewers can specify their areas of interest, for example the style of 
music they listen to, or their preferred language, etc.

9) **Customer Service**: The viewers can contact the customer service department either by 
phone or by email in case of service issues or feedback.

10) **Reminder**: The user is sent a reminder via email prior to their schedule time.

11) **View the program**: The member can view the program during the period for which they 
have paid for and receive a order confirmation.

12) **Child Lock Mechanism**: The member can enable the child lock feature if they want to 
ensure that children do not view a undesired program.

13) **Customer Interest tracking**: This feature will keep track of the kind of programs the 
user generally prefers to view. This will enable the system to make offers based on user 
preferences.

14) **Market Survey**: The system will conduct a market survey to build a profile of the most 
popular programs in different languages and categories. The system will include these in 
its selection to better cater to the needs of the customers.

15) **Advertise**: The system will make offers of new and similar programs in the collection 
viewed by customers based on the information it gathers about the preferences of each 
customer.