

Activity Package Use Cases

Activity Package Definition

An Activity Package is a collection of Activities. The collection can be used for the purpose of bulk purchasing multiple activities in one transaction. It is possible that the Activity Package costs less than the summed price of the individual packages but not necessary.

Possible Use Cases

There are many different reasons why someone may want to create an Activity Package. The following list highlights some of the possibilities

- Buy 5 and get one free
 - In this situation the subscriber pays for 5 activities up front and receives the 6th for free.
- March Evening Activity Package
 - In this situation the publisher has created a “course” were the subscriber signs up to a certain set of activities that occur in the evenings. For example a similar concept exists for language lessons.

Use Cases

Setup

Activities

Activity Type	Start	Finish	Capacity	Price
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	20	CHF 20
Evening Jogging	01/05/2015 18:00	01/05/2015 20:00	20	CHF 20
Interval Training	01/06/2015 18:00	01/06/2015 19:00	20	CHF 10
Interval Training	02/05/2015 18:00	02/05/2015 19:00	20	CHF 10
Interval Training	04/05/2015 18:00	04/05/2015 19:00	20	CHF 10
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	20	CHF 20
Evening Jogging	08/05/2015 18:00	08/05/2015 20:00	20	CHF 20
Interval Training	09/05/2015 18:00	09/05/2015 19:00	20	CHF 10
Interval Training	11/05/2015 18:00	11/05/2015 19:00	20	CHF 10
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	20	CHF 20
Evening Jogging	15/05/2015 18:00	15/05/2015 20:00	20	CHF 20
Interval Training	16/05/2015 18:00	16/05/2015 19:00	20	CHF 10
Interval Training	18/05/2015 18:00	18/05/2015 19:00	20	CHF 10
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	20	CHF 20
Evening Jogging	22/05/2015 18:00	22/05/2015 20:00	20	CHF 20
Interval Training	23/05/2015 18:00	23/05/2015 19:00	20	CHF 10
Interval Training	25/05/2015 18:00	25/05/2015 19:00	20	CHF 10
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	20	CHF 20
Evening Jogging	29/05/2015 18:00	29/05/2015 20:00	20	CHF 20
Interval Training	30/05/2015 18:00	30/05/2015 19:00	20	CHF 10

Use Case 1

Creation Date: 01/04/2015

Purchase Date: 05/04/2015

Create Activity Package

Name: May Morning Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activity Type	Start	Finish	Capacity
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	6/20
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	6/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	6/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	6/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	6/20

Activities Added

In this case the Publisher has added 5 Activities and the item count is 5. As the number of activities is less than or equal to Item Count the Subscriber can press an “Add All” button to quickly select all activities.

Use Case 2

Creation Date: 01/04/2015

Purchase Date: 05/04/2015

Create Activity Package

Name: May Morning Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activities Added

Activity Type	Start	Finish	Capacity
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	7/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	7/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	7/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	7/20

In this case the Publisher has added 4 Activities and the item count is 5. This is an invalid situation and the Publisher is prevented from creating the package. An error message should make the Publisher aware of the issue.

Use Case 3

Creation Date: 01/04/2015

Purchase Date: 05/04/2015

Create Activity Package

Name: May Morning Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 0

It is not valid to create an Activity Package with an Item Count of 0. The Item Count field should not allow values less than 1.

Use Case 4

Creation Date: 01/04/2015

Purchase Date: 05/04/2015

Create Activity Package

Name: May Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activities Added

Activity Type	Start	Finish	Capacity
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	16/20
Evening Jogging	01/05/2015 18:00	01/05/2015 20:00	17/20
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	16/20
Evening Jogging	08/05/2015 18:00	08/05/2015 20:00	17/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	19/20
Evening Jogging	15/05/2015 18:00	15/05/2015 20:00	17/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	19/20
Evening Jogging	22/05/2015 18:00	22/05/2015 20:00	10/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	5/20
Evening Jogging	29/05/2015 18:00	29/05/2015 20:00	7/20

In this case the Publisher has added 10 Activities and the item count is 5. When the Subscriber attempts to purchase the Activity Package they can choose up to 5 of the 10 activities. As the number of Activities exceeds Item Count the “Add All” button is not visible.

Use Case 5

Creation Date: 01/04/2015

Purchase Date: 21/05/2015

Create Activity Package

Name: May Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activities Added

Activity Type	Start	Finish	Capacity
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	16/20
Evening Jogging	01/05/2015 18:00	01/05/2015 20:00	16/20
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	16/20
Evening Jogging	08/05/2015 18:00	08/05/2015 20:00	16/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	16/20
Evening Jogging	15/05/2015 18:00	15/05/2015 20:00	16/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	15/20
Evening Jogging	22/05/2015 18:00	22/05/2015 20:00	15/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	15/20
Evening Jogging	29/05/2015 18:00	29/05/2015 20:00	15/20

In this case the Publisher has added 10 Activities and the item count is 5. The 6 activities that have a Start time in the past are no longer valid. When the Subscriber attempts to purchase this Activity Package they will see the invalid Activities with a strikethrough and will not be able to select them. Only the valid Activities can be selected. As the number of valid activities is less than or equal to Item Count the “Add All” button is available. When the “Book It” button is selected an “Are you sure” warning should be displayed informing the Subscriber that they have selected less Activities than Item Count. If the Subscriber decides to continue the Activity Package is purchased.

Use Case 6

Creation Date: 01/04/2015

Purchase Date: 10/04/2015

Create Activity Package

Name: May Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activities Added

Activity Type	Start	Finish	Capacity
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	20/20
Evening Jogging	01/05/2015 18:00	01/05/2015 20:00	18/20
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	20/20
Evening Jogging	08/05/2015 18:00	08/05/2015 20:00	18/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	20/20
Evening Jogging	15/05/2015 18:00	15/05/2015 20:00	18/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	20/20
Evening Jogging	22/05/2015 18:00	22/05/2015 20:00	10/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	4/20
Evening Jogging	29/05/2015 18:00	29/05/2015 20:00	1/20

In this case the Publisher has added 10 Activities and the item count is 5. Some of the Activities are at maximum capacity. The fully booked Activities can not be selected and have a strikethrough line. As the valid Activities are greater than Item Count the Subscriber can select which Activities they would like added to the Activity Package. The “Add All” button is not visible.

Use Case 7

Creation Date: 01/04/2015

Valid From: 20/04/2015 00:00

Valid To: 01/05/2015 06:00

Create Activity Package

Name: May Morning Jogging

Description: Book in advance and get one run free

Price: 80 CHF

Item Count: 5

Activities Added

Activity Type	Start	Finish	Capacity
Morning Jogging	01/05/2015 07:00	01/05/2015 09:00	6/20
Morning Jogging	08/05/2015 07:00	08/05/2015 09:00	6/20
Morning Jogging	15/05/2015 07:00	15/05/2015 09:00	6/20
Morning Jogging	22/05/2015 07:00	22/05/2015 09:00	6/20
Morning Jogging	29/05/2015 07:00	29/05/2015 09:00	6/20

In this case the Publisher has set the Valid From and Valid To fields. These fields indicate when the Activity Package is visible to Subscribers. Before Valid From no Subscriber can see or purchase the package. After Valid To no Subscriber can see or purchase the package. Between Valid From and Valid To Subscribers can see and purchase the package.

Possible Future Enhancements

Activity Package Termination Strategies

Depending on the situation it might not make sense to continue selling an Activity Package. Below are possible scenarios that could occur. Similar to the Valid From/To setup it might be useful to allow a Publisher to disable an Activity Package if these scenarios occur.

1. If some of the Activities in an Activity Package can no longer be selected and the sum of the price of the remaining Activities is less than the Activity Package it might be useful to no longer offer the Activity Package.
2. If the number of selectable Activities in an Activity Package falls below a certain number, for example Item Count, it might be useful to no longer offer the Activity Package.

Activity Package only Activities

If a Publisher only wants to sell Activity Packages and not individual Activities it might be necessary to have a hide option on the Activity. For example a motorcycle course will consist of 3 Activities, Monday Theoretical, Wednesday Manoeuvres, Friday Traffic. In this case all 3 activities must be purchased together.