**View Event – Basis Path Testing**

**Pseudocode for View Event**

View Event;

if(Approved events open for registration){

Show the earliest proposed events on the top;

Show the remaining events in an event list;

}

if (Click "Check All Categories"){

Show the categories of events;

while (!Click "Return"){

if (Click the name of a category){

Show the events in this category;

break;

}

}

}

else if (Click "Create Your Own Event") {

while (!Click "Cancel"){

if (!Click "Submit"){

Input required information;

}

else{

Proposed event is pending for approval;

break;

}

}

Return to View Event page;

}

if (Click the name of an event){

Show the information of the event;

if (Added into interested list){

if (Click "Remove from Interested List"){

Remove the event from interested list

}

}

else{

if (Click "Add to Interested List"){

Add the event to interested list

}

}

if (Registered for the event){

if (Click "Remove Registration"){

Remove the registration

}

}

else{

if (Click "Register"){

Register from the event

}

}

}

View Event;

**Control Flow Graph**

图片包含 文字, 地图



自动生成的说明

**Basic Path**

Cyclomatic Complexity = 14+1 = 15

1. 1 – 2 – 5 – 10 – 16 – 28
2. 1 – 2 – 5 – 10 – 11 – 12 – 13 – 11 – 15 – 16 – 28
3. 1 – 2 – 3 – 4 – 5 – 10 – 11 – 12 – 13 – 11 – 15 – 16 – 28
4. 1 – 2 – 3 – 4 – 5 – 10 – 11 – 12 – 13 – 11 – 12 – 14 – 15 – 16 – 28
5. 1 – 2 – 3 – 4 – 5 – 10 – 11 – 12 – 13 – 11 – 15 – 16 – 28
6. 1 – 2 – 3 – 4 – 5 – 6 – 7 – 16 – 28
7. 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 – 7 – 16 – 28
8. 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 – 9 – 16 – 28
9. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 28
10. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 21 – 23 – 26 – 28
11. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 21 – 22 – 23 – 26 – 28
12. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 21 – 22 – 23 – 26 – 27 – 28
13. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 19 – 23 – 24 – 28
14. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 19 – 20 – 23 – 24 – 28
15. 1 – 2 – 3 – 4 – 5 – 10 – 16 – 17 – 18 – 19 – 20 – 23 – 24 – 25 – 28

**Test Cases for Basic Paths**

1. No approved events which are open for registration can be shown and no button is clicked.
2. No approved events which are open for registration can be shown and only the button “Create Your Own Event” is clicked. The creation of new event is cancelled before inputting any information.
3. Some approved events which are open for registration are shown and only the button “Create Your Own Event” is clicked. The creation of new event is cancelled before inputting any information.
4. Some approved events which are open for registration are shown and only the button “Create Your Own Event” is clicked. The creation of new event is submitted after inputting the required information.
5. Some approved events which are open for registration are shown and only the button “Create Your Own Event” is clicked. The creation of new event is cancelled after inputting some information.
6. Some approved events which are open for registration are shown and only the button “Check all categories” is clicked. The categories of events are shown. And the button “Return” is clicked immediately.
7. Some approved events which are open for registration are shown and only the button “Check all categories” is clicked. The categories of events are shown. And none of the names of the categories are clicked but the button “Return” is clicked.
8. Some approved events which are open for registration are shown and only the button “Check all categories” is clicked. The categories of events are shown. And one of the names of the categories is clicked and the events under this category are shown.
9. Some approved events which are open for registration are shown and no button is clicked.
10. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has neither been added into interested list nor registered. And the event is neither added into interested list nor registered this time.
11. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has neither been added into interested list nor registered. But the event is added into interested list this time.
12. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has neither been added into interested list nor registered. But the event is added into interested list and registered this time.
13. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has been added into interested list and registered. And the event is neither removed from interested list nor deregistered this time.
14. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has been added into interested list and registered. And the event is removed from interested list.
15. Some approved events which are open for registration are shown and only the one of the names of the events is clicked. The information of this event is shown which has been added into interested list and registered. And the event is removed from interested list and deregistered this time.