**Team Project – 2nd Team**

**Requirement Specification**

**of AliExpress Live**

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**Team Members**

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| --- | --- |
| **Name** | **Email** |
| Suryun Kim |  |
| Dongmin Jang | ehdals338@gmail.com |
| Daegeun Choi |  |
| Minchang Choi | mraz.choi@gmail.com |
| Peiheng Lee | peihenglee1024@gmail.com |
| Yazhini Venugopal | yazhini.yazhl93@gmail.com |

**Revision History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Revisions** |
| 0.1 | 2018.10.18 | 3rd Team | Define requirements and User scenarios |
| 0.5 | 2018.10.25 | 3rd Team | Draw Use-case Scenario |
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1. Introduction
   1. System of interest

AliExpress Live is an on-line shopping mall

* 1. Definitions

1. Functional Requirements
   1. User Scenarios
   2. Function Descriptions

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| --- | --- |
| **Function name** | **Follow store** |
| **Definition** | Customers open AliLive and able to follow any available shop. |
| **Input** | Customer clicks 'Follow' button next to the store name. |
| **Output** | Customer will be receiving shop's upcoming activities and deals. |
| **Process** | Login to the website and open the store and click follow button. Customer will be added to the store members DB and will be receiving updates on store. |
| **Conditions** | 1. Customer should be logged in. In other words, guest users are not allowed to follow the store. |

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| **Function name** | **Watch live video** |
| **Definition** | Customers open any channel to watch live streaming. If the channel has ongoing live video, it will be displayed to the customer. Customer can click on the video to watch it |
| **Input** | Customer opens a channel and click on the video to watch it |
| **Output** | Any ongoing to live available in the store channel will be displayed on top and customer can watch it. |
| **Process** | Login to the website and open the ongoing live stream to watch. If there is any live available, it will be displayed. |
| **Conditions** | 1. Store must have ongoing or already ended video. |

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| **Function name** | **Share video** |
| **Definition** | Customers open any channel to watch live streaming. They are allowed to share the video through other SNS applications. |
| **Input** | While watching the video customer clicks the share button |
| **Output** | List of SNS app link will be displayed where customer can share video through any available app. |
| **Process** | Login to the website and open the ongoing live stream to watch. Clicking on share button will fetch list of available SNS link from DB and display it to the customer. |
| **Conditions** | 1. Store must have ongoing video. |

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| **Function name** | **Product list up** |
| **Definition** | Related products list will be displayed in the live video page. So while watching the video, customer can directly buy it from there. |
| **Input** | While watching the live video customers can view the product list below the video. |
| **Output** | When clicking on the product will display the product details page where they can shop directly. |
| **Process** | Login to the website and open the store to watch live streaming. Product list related to the live video will be displayed. On clicking the product will navigate to product details page. |
| **Conditions** | 1. Customer can be a logged in user or guest user. |

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| **Function name** | **Live comment** |
| **Definition** | Customers should be allowed to comment during live streaming. |
| **Input** | When watching ongoing live, customers are allowed to post comments. |
| **Output** | Comments posted during live will be displayed at the bottom of the video screen -> comment section |
| **Process** | Login to the website and open the ongoing live stream to watch. Post comments in the comment section. It will be displayed in the video. |
| **Conditions** | 1. Live comment should be available only for ongoing videos 2. During live, user can post as many comment as they can but after live it is not possible |

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| **Function name** | **Like** |
| **Definition** | Customers should be allowed to like the video during live streaming. |
| **Input** | When watching ongoing live, customer clicks the like button. |
| **Output** | Likes given during live should be displayed at the bottom of the video screen along with the total like count |
| **Process** | Login to the website and open the ongoing live stream to watch. Click like button near by the comment section. Every click the like count will be increased. |
| **Conditions** | 1. Like button should be available only for ongoing videos 2. During live, user can like video as many times as they can but after live it is not possible. |

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| **Function name** | **View number of viewers** |
| **Definition** | Customers should be able to view number of viewers that are watching the video. |
| **Input** | Customer watches Ongoing or already ended video |
| **Output** | When watching ongoing live, customer should be able to see current viewer count. In case of watching already ended video, the highest viewer counting should be available to view. |
| **Process** | Login to the website and open the ongoing or already ended live stream to watch. At the top of the video window customer can view the total number of viewers count. For ongoing video the viewer count is dynamic. |
| **Conditions** | 1. Video should be ongoing or already ended |

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| **Function name** | **Get coupon** |
| **Definition** | Customer those who are watching live streaming can get the coupon |
| **Input** | When watching ongoing live, customer request for a coupon |
| **Output** | During live streaming seller sends coupons to customers. |
| **Process** | Login to the website and open the ongoing live stream to watch. Request for coupon and download the coupon. |
| **Conditions** | 1. User should be logged in to the system 2. Coupon will be given only those who watch live stream |

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| **Function name** | **Browse channels** |
| **Definition** | Customer should be allowed to browse currently open or incoming channels |
| **Input** | Customer reaches to main page. |
| **Output** | Recent channel list should be shown. |
| **Process** | Enters to main page. |
| **Conditions** | 1. User reaches to main page |

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| **Function name** | **Browse schedule of channels** |
| **Definition** | Customer should be able to find schedule of channels |
| **Input** | Customer clicks 'Show schedule' link. |
| **Output** | Schedule of today's channels should be shown. Other day's channels also should be shown with selecting date in the calendar |
| **Process** | Enters to main page and clicks 'Show schedule' link. |
| **Conditions** | 1. User reaches to main page  2. User clicks on 'Show schedule' link |

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| **Function name** | **Remind channel** |
| **Definition** | Customer should be able to get reminded for channels of interests |
| **Input** | Customer clicks 'remind me' button for upcoming channels |
| **Output** | Customer receives remind alarm before the channel starts |
| **Process** | Customer set a channel to be reminded and 10 minutes before the channel get started |
| **Conditions** | 1. User clicks on 'Remind me' button on upcoming channels  2. User should be logged in |

* 1. Use-case Diagram

1. Non-Functional Requirements
   1. Architectural Concerns
   2. Refined Non-Functional Requirements
   3. Priority of Each Non-Functional Requirements