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| Use-case name | Manage customer information system |
| Description | Employees can use this usecase to insert, delete, update customers information |
| Trigger | Employees click to buttion”Manage customers” |
| Pre-condition | Employee’s device must connect to Internet  Employees have to log in the system before performing offered  functions. |
| Post-condition | Customers information successful updated on database  Data at management page is filtered by keywords |
| Basic flow | 1. System displays customer management page 2. Employee chooses one function: insert/update/delete/search customer information  * **Insert:**  1. System displays customer information page 2. Employee enters customer information and click submit 3. System validates customer information in correct format 4. System validates movie category information with existed data in database. 5. System stores customer information in the database 6. System displays successful notification and reload customer management page.  * **Update:**  1. Employee chooses one customer to be updated 2. System displays customer information page 3. Employee modifies customer information and click submit 4. System validates customer information in correct format 5. System validates movie category information with existed data in database. 6. System stores customer information in the database 7. System displays successful notification and reload customer management page.  * **Delete:**  1. Employee chooses one customer to be deleted 2. System displays confirm dialog page 3. Employee click yes or no to confirm delete customer or not 4. System proccedd deleting request 5. System validates customer information with existed data in database. 6. System stores customer information in the database 7. System displays successful notification and reload customer  * **Search:**  1. Employee enter keywords into searching box to find customer 2. System processes searching data 3. System queries data related to keywords. 4. System updates data at customer information page 5. System displays successful notification and reload customer |
| Alternative flow | 5a. System display invalid information due to wrong format. Use-case continue at step 4.  6a. System display invalid information because selected data didn’t exist in the database. Use-case continue at step 4.  12a. System display invalid information due to wrong format. Use-case continue at step 11.  13a. System display invalid information because selected data didn’t exist in the database. Use-case continue at step 11.  20a. System display invalid information due to wrong format. Use-case continue at step 19.  25a. System display empty result notification because the keywords didn’t exist in the database. Use-case continue at step 24. |
| Exception flow |  |