מטלה 1 / בדיקות קבלה - קבוצה 7

חברי הצוות

שם מלא: היא קבלאן / ת"ז: 313312373 / מייל: haiakablan96@gmail.com

שם מלא: שלומי לוי / ת"ז: 305129652 / מייל: xxsmgxx@gmail.com

שם מלא: אריק סקיגין / ת"ז: 312360449 / מייל: arik30000@gmail.com

שם מלא: סמי עודה / ת"ז: 315654962 / מייל: rsgunz.sami@gmail.com

שם מלא: אור אליהו / ת"ז: 307884890 / מייל: oreliyahu93@gmail.com

\*\* הערה חשובה :

ב flow of events התייחסנו לממשק מול המשתמש , כלומר התייחסנו לתרחישים בצורה כללית , ובטבלת הבדיקות התייחסנו לממשק המפורט שיהיה בהמשך , לכן התייחסנו לכל הבדיקות האפשריות בצורה מפורטת.

Viewing report

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| Report was successful ly opened. | City exists in DB. User must be logged in as a Company manager or product department manager. | Open report.The Report should open with all of his content ready to be viewed. | Open “view report” window  City:”Haifa”  Period: “1.4.19 -15.4.19”  Click on “open report” | ViewReportSuccessful | 1 |
| The city isn’t available , so the report wasn’t viewed | City doesn’t exist in DB | A system throws out a warning “report wasn’t viewed , city is not available” | Open “view report” window  City:”Akko”  Period: “1.4.19 -15.4.19”  Click on “open report” | reportForNotavailableCity | 2 |
| Report is not viewed due to invalid date | the date is not available in the latinic *calendar*  *Or end date before start date* | A system throws out a warning “invalid period”  The System returns to the previous screen. | Open “view report” window  City:”Akko”  Period: “27.2.19 - 31.2.19” | ReportForInvalidPeroid | 3 |
| User cancel viewing report | User login as client | A system cleans all fields. | Open “view report” window  City:”Haifa”  Period: “1.4.19 -15.4.19”  Click on “cancel” | CustomerCancelsOperation | 4 |
| There are empty fields | User login as client | A system throws out a warning “you have to fill all the fields” | Open “view report” window  City:””  Period: “1.4.19 -15.4.19”  Click on “cancel” | EmptyField | 5 |

\*\* לכל הבדיקות יש תנאי מקדים משותף :

1. User login as client

Adding a new map to city

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| Map added to the relevant city | Map doesn’t exist in DB | System adds the map to DB | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “add map” | AddMapSuccessful | 1 |
| City doesn’t available in the system | City doesn’t available in the system | System adds the map and the city to DB | Open “add map” window  Select city: “Jerusalem”  Select Category: “restaurants” or select map from list  Click “add map” | AddingMaptoNotExistingcity | 2 |
| The map is already available | Map exist in DB | 2)map exist in DB  1)A system throws out a warning “city map already exist” | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “add map” | mapAlreadyExist | 3 |
| There are empty fields | User register as client | A system throws out a warning “ fill all the fields ” | Open “add map” window  Select city: “”  Select Category: “” or select map from list  Click “add map” | EmptyField | 4 |
| Worker tries to set an older map version | 1) an updated map exists in DB | 1)A system throws out a warning “ cannot reverted to an older version ” | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “add map” | settAnOlderMap | 5 |
| No defined cities in the system yet | No defined cities in DB yet | 1)A system throws out a warning “ no available cities in the system ” | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “add map” | NoAvailableCitiesInTheSystem | 6 |
| No defined maps in the system yet | No defined maps in DB yet | 1)A system throws out a warning “ no available maps in the system ” | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “add map” | NoAvailableMapsInTheSystem | 7 |
| Map wasn’t added | Login as client | A system cleans all fields. | Open “add map” window  Select city: “Haifa”  Select Category: “restaurants” or select map from list  Click “cancel | CustomerCancelsOperation | 8 |

\*\* לכל הבדיקות יש תנאי מקדים משותף :

1. User register as client

Update latest map version

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| New version received and set successfully . | Map exists in DB. | 1)system Defines the new version in DB.  2)System set the last version . | System waits for an update from map system .  System diagnose the differences between the new received version and the last version. | UpdateLatestMapVersionSuccessful | 1 |
| No changes with the received version . | Map exists in DB. | 1)system Defines the new version in DB.  2)System doesn’t set the last version . | System waits for an update from map system .  System diagnose that there is no difference between the new received version and the last version. | NoDifferencesBetweenTheTwoVersions | 2 |
| No changes with the received version . | Map exists in DB. | 1)system Defines the new version in DB.  2)System doesn’t set the last version . | System waits for an update from map system .  System diagnose that there is no data in the new. | TheRecievedVersionHasNoData | 3 |

view maps

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| View map and contents successfully | 1)City ant its map/s exist in DB  2)user login as worker | System views maps according to the selected city , and show a window to select map content | Open “view maps” window .  Select or type city: “Haifa”  country: “Israel”  Select “OK” | ViewMapsSuccessful | 1 |
| there are no available maps for the city | 1)there are no available maps for the city  (city’s map doesn’t exist in DB)  2)user login as worker | A system throws out a warning “ there’s no available maps for the city ” | Open “view maps” window .  Select or type city: “Karmiel”  country: “Israel”  Select “OK” | NoMapsForCity | 2 |
| No selected city to view | user login as worker | A system throws out a warning “ there’s no selected city to view maps” | Open “view maps” window .  Select or type city: “”  country: “Israel”  Select “OK” | NoCitySelectedToViewmaps | 3 |
| No selected city to view | user login as worker | A system throws out a warning “ there’s no selected country to view maps” | Open “view maps” window .  Select or type city: “Haifa”  country: “”  Select “OK” | NoCountrySelectedToViewmaps | 4 |
| There are existent maps ‘ but the content is null | 1)user login as worker  2)1)City ant its map/s exist in DB | A system throws out a warning “ there are no available contents for the maps“ | Open “view maps” window .  Select or type city: “Haifa”  country: “”  Select “OK” | NoAvailableMaps’Content | 5 |
| The city isn’t available , no map to view | 1)user login as worker  2)City doesn’t exist in DB | A system throws out a warning “map wasn’t viewed , city is not available” | Open “view maps” window .  Select or type city: “Hai”  country: “”  Select “OK” | CityDoesn’tExist | 6 |
| The city isn’t available , no map to view | 1)user login as worker  2)Country doesn’t exist in DB | A system throws out a warning “map wasn’t viewed , city is not available” | Open “view maps” window .  Select or type city: “Haifa”  country: “Is”  Select “OK” | CountryDoesn’tExist | 7 |

Renew subscription

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| Subscription renewed successfully | 1)Subscription exists in DB. | 1)system Defines the new subscription  in DB. | Open “Renew subscription” window.  Select map from the purchased list:  “map1”  Or select city  Click “choose subscription | RenewSubscriptionSuccessful | 1 |
| Subscription wasn’t renewed | 1) The package expiration date is longer than 3 days | 1)system doesn’t Define the new subscription  in DB. | Open “Renew subscription” window.  Select map from the purchased list:  Or select city : “Haifa”  Click “choose subscription | TheSubscriptionIsNotExpired | 2 |
| The user has to fill at least on field from “select map” OR “”select city “ | All fields are empty | 1)system doesn’t Define the new subscription  in DB.  2) A system throws out a warning “ You have to fill at least one failed ” | Open “Renew subscription” window.  Select map from the purchased list:  Or select city  Click “choose subscription | EmptyField | 3 |
|  | login as periodically subscription purchase client | 1)system doesn’t Define the new subscription  in DB.  2)A system cleans all fields. | Open “Renew subscription” window.  Select map from the purchased list:  Or select city:  “Haifa”  Click “cancel” | CustomerCancelsOperation | 4 |

\*\* לכל הבדיקות יש תנאי מקדים משותף :

Login as periodically subscription purchase client

Create new city

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| The new city is now available for clients | City exist in DB (at exist cities table) | City added to the available cities  System add the city in DB (at available cities table) | Open “add city window”  Country: “Israel”  Name: “Tel-Aviv”  Description : “at the centre of the city ….”  Select “OK” | creatingCitysuccessful | 1 |
| The city exists in the system | City exist in DB (available & exist cities tables) | A system throws out a warning “city is already added and it’s available to the clients” | Open “add city window”  Name: “Tel-Aviv”  Description : “at the centre of the city ….”  Select “OK” | cityIsAlredyAdded | 2 |
| There’s no such available city | City doesn’t exist in DB (exist cities tables) | A system throws out a warning “city is not exist ” | Open “add city window”  Country: “Israel”  Name: “Tel”  Description : “”  Select “OK” | cityNotexist | 3 |
| There’s no such available country | Country doesn’t exist in DB (exist cities tables) | A system throws out a warning “country is not exist ” | Open “add city window”  Country: “Isr”  Name: “Tel-Aviv”  Description : “at the centre of the city ….”  Select “OK” | countryNotexist | 4 |
| There’s an empty field | No data inserted at least in one field | A system throws out a warning “ “field” is empty ” | Open “add city window”  Country: “Israel”  Name: “”  Description : “at the centre of the city ….”  Select “OK” | FieldIsEmpty | 4 |
|  | User login as worker | A system cleans all fields. | Open “add city window”  Country: “Israel”  Name: “”  Description : “at the centre of the city ….”  Select “cancel” | CustomerCancelsOperation | 5 |

\*\*exist cities table - הכוונה לערים שקיימות במציאות אבל לא בהכרח זמינות במערכת

\*\* available cities table - הכוונה לערים שזמינות במערכת(וכמובן קיימות במציאות)

\*\* לכל הבדיקות יש תנאי מקדים משותף :

1. User register as worker

Download purchased maps

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| --- | --- | --- | --- | --- | --- |
| Comments | Precondition | Expected Result | Description | Test ID | # |
| Client pay for the package  )Client that purchase one time package and hasn’t download the map or a subscriber) | Client already purchase the selected city package  And the user registration is defined in DB | System downloads the selected map/s, and updates the number of downloads | Open “Download purchase maps” window .  Select city: “Haifa”  Select map:”category 1”  Click : “download” | DownloadPurchasedMapsSuccessful | 1 |
| Client wasn’t purchase the maps for the selected city | City doesn’t exist in client packages in DB  User defined as client in DB | A system throws out a warning “You have not payed the selected city’s package” | Open “Download purchase maps” window .  Select city: “Karmiel”  Select map:”category 1”  Click : “download” | unavailableMapInPackage | 2 |
| Invalid Date | End date passed  User defined as client in DB | A system throws out a warning “You’re package is invalid , you have to purchase again” | Open “Download purchase maps” window .  Select city: “Haifa”  Select map:”category 1”  Click : “download” | invalidPackage | 3 |
| One-time purchaser can download the map only one time | One-time purchaser who has already downloaded the selected map .  Client defined as one-time purchaser in DB | A system throws out a warning “You have already downloaded the map” | Open “Download purchase maps” window .  Select city: “Haifa”  Select map:”category 1”  Click : “download” | RepeatedDownloadingforonetimepurchaser | 4 |
|  | There’s an empty field  User defined as client in DB | A system throws out a warning “You didn’t choose “field”” | Open “Download purchase maps” window .  Select city: “Haifa”  Select map:””  Click : “download” | EmptyField | 5 |
| User cancel downloading maps | User login as client | A system cleans all fields.  User defined as client in DB | Open “Download purchase maps” window .  Select city: “Haifa”  Select map:””  Click : “cancel” | CustomerCancelsOperation | 6 |

\*\*בשדה select city - ללקוח תהיה אפשרות בחור עיר רק מבין אלה שרכש עבורן חבילות Download map

\*\*במקרה של הצלחה , הכוונה ללקוח שרכש חבילה חד פעמית ועדיין לא הוריד/ מנוי

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| --- | --- | --- | --- | --- | --- |
| # | Test ID  Add place of interest | Description | Expected Result | Precondition | Comments |
| 1 | Add  successful | Open Add Category window  File category name = “Restaurants” or “Hotels”  Click “OK” button. | Show a new Message about Adding Category successful then go home window.  Category name is added to the DB and we can use it for places. | Category is not defined in DB.  Logged as Product department worker | Added category to the list of categories |
| 3 | Category exists | Open Add Category window  File category name = “Restaurants” or “Hotels”  Click “OK” button. | The system throws out a warning message “the category is already in the DB”  The system clears filed and exit to home window. | Category is defined in DB.  Logged as Product department worker | The same name of the category is in the DB |
| 4 | Category name is too long | Open Add Category window  File category name = “RestaurantsResturantsResturants”  Click “OK” button. | The system throws out a warning message “the category name is too long”  The system clears filed and exit to home window. | Category is not defined in DB.  Logged as Product department worker | Category name must be less than a specific number of characters. |
| 5 | Empty Filed | Open Add Category window  File category name = “” or leave it empty  Click “OK” button. | The system throws out a warning message “the category name is empty!”  The system clears filed and exit to home window. | Category is not defined in DB.  Logged as Product department worker | Category name is empty and must be filled before adding |
| 6 | cancel | Fill category filed then press on cancel button | The system goes to homepage | Logged as Product department worker | Back to home |

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| --- | --- | --- | --- | --- | --- |
| # | Test ID  Edit map | Description | Expected Result | Precondition | Comments |
| 1 | Add  successful | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “Haifa” and select or type map “x” system shows a prompts option to edit map content or to add new map to city | The system goes to the selected option and open new window for it | Maps and cites are defined in the DB.  Logged as Product department worker | Select an option |
| 2 | List is empty | Open Edit Map window  System get city list of maps  The list is empty | The system throws out a warning message “the list is empty”  The system home window. | Maps and cites are defined in the DB.  Logged as Product department worker | There are no maps or cites loaded |
| 3 | Map does not exist | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “Haifa” and select or type map “x” system shows a prompts option to edit map content or to add new map to city | The system throws out a warning message “Map x does not exist”  The system clears filed and exit to home window. | City is defined in the DB. Map not defined in DB.  Logged as Product department worker | The Map is not found in the DB |
| 4 | City does not exist | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “Haifaxyzxyz” and select or type map “x” system shows a prompts option to edit map content or to add new map to city | The system throws out a warning message “the city does not exist”  The system clears filed and go to Add new City window | City is not defined in the DB. Map not defined in DB.  Logged as Product department worker | City is not found in the DB |
| 5 | Missing filed or more | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “” and select or type map “x” system shows a prompts option to edit map content or to add new map to city | The system throws out a warning message “there is an empty filed or more”  The system clears filed and exit to home window. | Maps and cites are defined in the DB.  Logged as Product department worker | Missing fields requires to fill |
| 6 | Map doesn’t belong to the city | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “Haifa” and select or type map “x” that does not belong to the city, system shows a prompts option to edit map content or to add new map to city | The system throws out a warning message “the map doesn’t belong to the selected/typed city”  The system clears filed and exit to home window. | Maps and cites are defined in the DB.  Logged as Product department worker | Must type/select a map that belongs to the city. |
| 7 | First time Edit Map | Open Edit Map window  System get city list of maps select a map to edit  For example, select or type city “Nazareth” and select or type map that is not edited before, system shows a prompts option to edit map content or to add new map to city | The system throws out a warning message “the map is being edited for the first time and city does not exists”  The system clears filed and go to Add new City window | City is not defined in DB  Map is defined in DB  Logged as Product department worker | City map is being edited for the first time |
| 8 | cancel | Fill category filed then press on cancel button | The system goes to homepage | Logged as Product department worker | Back to home |

edit map content

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| --- | --- | --- | --- | --- | --- |
| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | Add Place of Interest  successful | Click “Add Place” open new window  Type or select the Category of the place for example “restaurant”  Select a place or type Location  Type or select name” abloom”  Types details: “Afula Abu Mehran”  Type if its available for disabled people or not  Click “OK” button. | Show a new Message about added place successful then return to home window. | The City and map are defined in DB. | Place was added successfully to the map of the city. |
| 2 | category of place is incorrect / map is not found. | Click “Add Place” open new window  Type or select the Category of the place for example “lolol”  Select a place or type Location  Type or select name” abloom”  Types details: “Afula Abu Mehran”  Type if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “category of place does not exist”  The system clears and indicate in red the Category of place filed. | The City defined in DB. | Category of place must be in DB in order to add places to it. |
| 3 | Incorrect location | Click “Add Place” open new window  Type or select the Category of the place for example “restaurant”  Select a place or type Location that doesn’t belong to the current city  Type or select name” abloom”  Types details: “Afula Abu Mehran”  Type if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “out of range or incorrect place/Location”  The system clears and indicate in red the place filed. | The City and map are defined in DB. | Out of range place. |
| 4 | Details short or empty | Click “Add Place” open new window  Type or select the Category of the place for example “restaurant”  Select a place or type Location  Type or select name” abloom”  Types details: “” or “au”  Type if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “Details are too short or empty”  The system clears and indicate in red the details filed. | The City and map are defined in DB. | Details must be more than a specific number of characters |
| 5 | Place name is not found | Click “Add Place” open new window  Type or select the Category of the place for example “restaurant”  Type or select name” abloo12m”  Select a place or type Location  Types details: “” or “au”  Type if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “place/place name is not found.”  The system clears and indicate in red the details filed. | The City and map are defined in DB. | Name is not in DB. |
| 6 | edit Place of Interest  successful | Select place to edit  Fill fields with available information in the DB of the current place  edit or select the Category of the place for example “restaurant”  Select a place or edit Location  edit details: “Afula Abu Mehran”  edit if its available for disabled people or not  Click “OK” button. | Show a new Message about updating place successful then return to home window. | The City and map are defined in DB.  The place is defined in DB. | Place was updated successfully to the map of the city. |
| 7 | category of place is incorrect / map is not found | Click “Edit Place” open new window  Select place to edit  Fill fields with available information in the DB of the current place  edit or select the Category of the place for example “lololl”  Select a place or edit Location  edit details: “Afula Abu Mehran”  edit if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “category of place does not exist”  The system clears and indicate in red the Category of place filed. | The City and map are defined in DB.  The place is defined in DB. | Category of place must be in DB in order to add places to it. |
| 8 | Incorrect Location | Click “Edit Place” open new window  Select place to edit  Fill fields with available information in the DB of the current place  edit or select the Category of the place for example “restaurant”  Select a place or edit Location that doesn’t belong to the current city  Edit details: “Afula Abu Mehran”  edit if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “out of range or incorrect place/Location”  The system clears and indicate in red the place filed. | The City and map are defined in DB.  The place is defined in DB. | Out of range place. |
| 9 | Details short or empty | Click “Edit Place” open new window  Select place to edit  Fill fields with available information in the DB of the current place  edit or select the Category of the place for example “restaurant”  Select a place or edit Location  edit details: “” or “au”  edit if its available for disabled people or not  Click “OK” button. | The system throws out a warning message “Details are too short or empty”  The system clears and indicate in red the details filed. | The City and map are defined in DB.  The place is defined in DB. | Details must be more than a specific number of characters |
| 9 | Add tour  Successfully  (when adding a place to a tour it is the same tests as above!) | Click “Add tour” open new window  Load all places of the current city and  Select multiple interest places to add it to (by search or selecting or typing) the tour for example:   1. Hotel, Tulip (1 week) 2. Restaurant Abu Mehar (1h)   Add recommended visit time for each place, add details (best trip ever) to the tour then Click “OK” button. | Show a new Message about adding tour successful then return to home window. | The City and selected interest places are defined in DB. | tour was added successfully to the city. |
| 10 | No places added | Click “Add tour” open new window  Load all places of the current city and  Not Selecting interest places (by search or selecting or typing)  Add details (best trip ever)  Click “OK” button. | The system throws out a warning message “Please select at least 1 interest place” | The City and selected interest places are defined in DB. | No selected places for tour, it must contain at least 1 place. |
| 11 | Incorrect time | Click “Add tour” open new window  Load all places of the current city and  Select multiple interest places to add it to (by search or selecting or typing) the tour for example:   1. Hotel, Tulip (0 sec) 2. Restaurant Abu Mehar (-3h)   Add recommended visit time for each place, add details (best trip ever) to the tour then Click “OK” button. | The system throws out a warning message “incorrect time format please select valid time”  The system clears and indicate in red the time filed which is wrong. | The City and selected interest places are defined in DB. | Incorrect time, must be positive time.  (zero and negative is not valid). |
| 12 | Details short or empty | Click “Add tour” open new window  Load all places of the current city and  Select multiple interest places to add it to (by search or selecting or typing) the tour for example:   1. Hotel, Tulip (1 week) 2. Restaurant Abu Mehar (1h)   Add recommended visit time for each place, add details (best) to the tour then Click “OK” button. | The system throws out a warning message “Details are too short or empty”  The system clears and indicate in red the details filed. | The City and selected interest places are defined in DB. | Details must be more than a specific number of characters |
| 13 | update tour  successfully  (when editing a place of a tour it is the same tests as above!) | Click “Edit tour” open new window  select one tour to update for example:   1. Tour 1 (the best trip ever)   Load all places of the current tour and  Select a place to update (by search or selecting or typing) for example   1. Hotel, Tulip   Open new window and Fill fields with available information in the DB of the current place (Tulip)  Select or type or search for other interest place in the current city to replace it with the selected place for example   1. Restaurant, Al Waked   Add recommended visit time (we can change time only if place not replaced).  Click “OK” button to update.  Repeat that on one or more places  Optional: edit details  Click “Ok” Button to update tour. | Show a new Message about updating tour successful then return to home window. | The Replaced City and selected interest places are defined in DB.  The updated Cites are defined in DB. | tour was Updated successfully to the city. |
| 14 | No places were updated | Click “Edit tour” open new window  select one tour to update for example:   1. Tour 1 (the best trip ever)   Load all places of the current tour and  Do not Select any place to update (by search or selecting or typing)  Details were not edited.  Click “Ok” Button to update tour. | The system throws out a warning message “Please update at least 1 interest place in order to update the tour! Or Update details” | The City and selected interest places are defined in DB. | No selected places to replace/edit them with other places/times then update the tour, 1 or more must be replaced in order to update the tour. |
| 15 | Incorrect time | Click “Edit tour” open new window  select one tour to update for example:   1. Tour 1 (the best trip ever)   Load all places of the current tour and  Select a place to update (by search or selecting or typing) for example   1. Hotel, Tulip   Open new window and Fill fields with available information in the DB of the current place (Tulip)  edit recommended visit time with incorrect format like zero or negative value. Click “OK” button to update | The system throws out a warning message “incorrect time format please select valid time”  The system clears and indicate in red the time filed which is wrong and needs a fix. | The Replaced City and selected interest places are defined in DB.  The updated Cites are defined in DB. | Incorrect time, must be positive time.  (zero and negative is not valid). |
| 16 | Details short or empty | Click “Edit tour” open new window  select one tour to update for example:   1. Tour 1 (the best trip ever)   Load all places of the current tour and load details, edit details to (best) or “” empty then Click “OK” button. | The system throws out a warning message “Details are too short or empty”  The system clears and indicate in red the details filed. | The tour is defined in DB and its places defined too. | Details must be more than a specific number of characters |

system login

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | Login successful | Open Client “login” window  Type a user ID: “sami123”  Type a password:”sS!595”  Click “OK” button. | User logs in  System defines in DB the status of the user “sami123” as “logged-in” | User is defined in DB | The password is correct |
| 2 | Login wrong passwords | Open Client “login” window  Type a user ID: “sami123”  Type a password:”123467”  Click “OK” button. | The system throws out a warning message “password incorrect”  The system clears all fields | User is defined in DB | The password is not correct |
| 3 | Username not in DB | Open Client “login” window  Type a user ID: “s91k2”  Type a password:”123467”  Click “OK” button. | The system throws out a warning message “user doesn’t exist”  The system clears all fields | Username not in database. | Username was not found in DB |
| 4 | Password length error | Open Client “login” window  Type a user ID: “s91k2”  Type a password:”12” OR  Type a password:””  OR password is more than 32 characters  Click “OK” button. | The system throws out a warning message “Password is too Short” OR “Password is too long”  The system clears all fields | User is defined in DB | Password is less than 6 characters.  Or Password is more than 32 characters. |
| 5 | Username is not filled | Open Client “login” window  Type a user ID: “”  Type a password:”12”  Click “OK” button. | The system throws out a warning message “username is not filled”  The system clears all fields | User is defined in DB | Username filed is empty. |

Client has to perform login to the system

Worker has to perform login to the system

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | Login successful | Open Worker “login” window  Type a worker ID: “5321459”  Type a password:”sS!595”  Click “OK” button. | worker logs in  System defines in DB the status of the worker “5321459” as “logged-in” | worker is defined in DB | The password is correct |
| 2 | Login wrong passwords | Open Worker “login” window  Type a worker ID: “1235412”  Type a password:”123467”  Click “OK” button. | The system throws out a warning message “password incorrect”  The system clears all fields | worker is defined in DB | The password is not correct |
| 3 | Worker ID not in DB | Open Worker “login” window  Type a worker ID: “523145”  Type a password:”123467”  Click “OK” button. | The system throws out a warning message “worker doesn’t exist”  The system clears all fields | Worker id not defined in DB | worker was not found in DB |
| 4 | Password length error | Open Worker “login” window  Type a worker ID: “453215”  Type a password:”12” OR  Type a password:””  OR password is more than 32 characters  Click “OK” button. | The system throws out a warning message “Password is too Short” OR “Password is too long”  The system clears all fields | Worker is defined in DB | Password is less than 6 characters.  Or Password is more than 32 characters. |
| 5 | Worker ID is not filled | Open Worker “login” window  Type a worker ID: “”  Type a password:”12”  Click “OK” button. | The system throws out a warning message “Worker ID is not filled”  The system clears all fields | Worker id is defined in DB | Worker ID filed is empty. |

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| #  Register user and pay confirmation | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | Register  successful | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | Show a new Message about Registration successful then go to the payment page.  Add the user to the DB. | Read Terms and conditions of use  Username sami123 is not in DB | User is added to DB and registered! |
| 2 | Phone number not in proper format or have alpha- characters. | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “45218” OR “a0523282” OR “” OR “!0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “phone number is not in a proper format”  The system clears and indicate in red the phone number filed. | Read Terms and conditions of use  Username sami123 is not in DB | phone number is not in proper format! |
| 3 | Birthdate is not in proper format | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/585222”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “birth date is not in a proper format”  The system clears and indicate in red the birth date filed. | Read Terms and conditions of use  Username sami123 is not in DB | Birthdate is not in proper format |
| 4 | Email is not in proper format | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: “[rsgunz.sa”](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “Email Address is not in a proper format”  The system clears and indicate in red the Email filed. | Read Terms and conditions of use  Username sami123 is not in DB | The general format of an email address is local-part@domain,  example is **sami**@example.com |
| 5 | Password is too short OR empty | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j” or “” or “123” or 33 characters of password  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “Password is too short” OR “Password filed is empty”  The system clears and indicate in red the password filed. | Read Terms and conditions of use  Username sami123 is not in DB | Password must be more than 6 characters and less than 32 characters |
| 6 | Password is too long. | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields: 32 characters of password or more, Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “Password is too long”  The system clears and indicate in red the password filed. | Read Terms and conditions of use  Username sami123 is not in DB | Password is more than 32 characters. |
| 7 | Password confirm | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type password “1231312asd”  Click “OK” button. | The system throws out a warning message “password is not in the same confirm password”  The system clears and indicate in red the Email filed. | Read Terms and conditions of use  Username sami123 is not in DB | password is not the same as confirm password |
| 8 | Username exist | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “username is already registered.”  The system clears and indicate in red the username filed. | Read Terms and conditions of use.  User is “sami123” defined in DB. | Username does exist in DB! |
| 8 | Email in use | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “email is in use.  The system clears and indicate in red the Email filed. | Read Terms and conditions of use.  email [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com) is in use.  Username sami123 is not in DB | Someone else have used that mail to register! |
| 9 | One of filed is empty | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “”  Types City:””  Birth Date: “00/00/0000”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “#filed# is in empty  The system clears and indicate the filed in red. | Read Terms and conditions of use.  Username sami123 is not in DB | One of filed is empty! |
| 10 | Username is too long | Open Client “Register” window  Type a user ID: “sami12samisamisamisamisami3”  Types telephone number: “0523290367”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Read Terms and conditions of use and checks it.  Click “OK” button. | The system throws out a warning message “username is too long”  The system clears and indicate the filed in red. | Read Terms and conditions of use. | Username must be less than 32 characters. |
| 11 | Not reading Terms and use. | Open Client “Register” window  Type a user ID: “sami123”  Types telephone number: “0523290367”  Types City:” Nazareth”  Birth Date: “22/01/1996”  Types mails: [rsgunz.sami@gmail.com](mailto:rsgunz.sami@gmail.com)  Type and retype a password in 2 fields:”j7j7595”.  Click “OK” button. | The system throws out a warning message “Please read Terms and condition of use first before registering!  The system clears and indicate the filed in red. | Username sami123 is not in DB | Must read Terms and conditions of use! |
| 12 | cancel | Fill all fields or part of then then press on cancel button | The system goes to homepage |  | Back to home |

After Registration successful go to Payment Page

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| # | Test ID  *Payment method confirmation* | Description | Expected Result | Precondition | Comments |
| 1 | payementConfirmationSuccessfull | Open “payment method”  card number: ”4580 1234 3456 3993”  Cvv:”123”  Expired Date: ”11/23”  ID: “313312373”  Select “OK” | System adds the payment method data to DB | Credit card is valid |  |
| 2 | FieldIsNotinProperFormat | Open “payment method”  card number: ”4580 1234 3456 3xyz”  Cvv:”123”  Expired Date: ”11/23”  ID: “313312373”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “field” format is not proper | one of the fields includes chars | The format for a certain field is not proper (one of the fields includes chars) |
| 3 | FieldIsEmpty | Open “payment method”  card number : ”4580 1234 3456 3993”  Cvv:””  Expired Date: ””  ID: “313312373”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “ “field” is empty ” | One or more missing fields | Must fill empty fields |
| 4 | ExpiredDateInvalid | Open “payment method”  card number : ”4580 1234 3456 3993”  Cvv:123  Expired Date: ”11/16”  ID: “313312373”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “date expired” | Date not valid | Passed date |
| 5 | WrongID | Open “payment method”  card number : ”4580 1234 3456 3993”  Cvv:123  Expired Date: ”11/23”  ID: “123456789”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “ ID isn’t correct ” | ID doesn’t pass the ID algorithm exam | The ID isn’t correct according to the ID algorithm |
| 6 | WrongCardNumber | Open “payment method”  card number : ”4580 1234 3456 1111”  Cvv:123  Expired Date: ”11/23”  ID: “313312373”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “Card Number ID isn’t correct” | Card number doesn’t pass the card number algorithm exam | The card number isn’t correct according to the card number algorithm |
| 7 | fieldIsTooShort | Open “payment method”  card number : ”4580 1234 3456”  Cvv:123  Expired Date: ”11/23”  ID: “31331237311”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “Field “credit card number” is too short,  Field Id number” is too long” | At least one field is shorter than the proper length | There’s one field or more which wasn’t written in the proper length |
| 8 | fieldIsTooLong | Open “payment method”  card number : ”4580 1234 3456 3993 1111”  Cvv:123  Expired Date: ”11/23”  ID: “31331237311”  Select “OK” | 1)System doesn’t define data in DB.  2)A system throws out a warning “Field “credit card number” is too short ,  filed”Id number” is too long | At least one field is longer than the proper length | There’s one field or more which wasn’t written in the proper length |
| 9 | CustomerCancelsOperation | Open “payment method”  card number : ”4580 1234 3456 3993”  Cvv:”123”  Expired Date: ”11/23”  ID: “313312373”  Select “cancel” | 1)System doesn’t define data in DB.  2)A system cleans all fields. | User register as clien |  |

\*\* בבדיקה מס׳ 2 , הכוונה לבדיקה שבה לפחות שדה אחד אינו בפורמט המתאים , הדוגמא הנתונה היא מקרה אחד מכמה מקרים .

\*\* בדיקות 6 ו 5 מתייחסות לתקינות המספרים לפי אלגוריתמי חישוב ת״ז וכרטיסי אשראי בישראל

\*\* לכל הבדיקות יש תנאי מקדים משותף :

1. User register as client

Setting version to maps collection

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | set  successful | Open Set version window  Type or select a City to set a map, example: Haifa  Show list of maps select one for example the category 1  “Restaurants” fill version of the map/maps for example 2.0V  Click “OK” button. | Show a new Message about Setting version successful then go home window.  System set the version of map in the DB. | The map and its places must be defined in DB.  Logged as Product department worker | Setting version of selected map with the filled one. |
| 2 | Older version set | Open Set version window  Type or select a City to set a map, example: Haifa  Show list of maps select one for example the category 1  “Restaurants” fill version of the map/maps for example 1.0V  Click “OK” button. | The system throws out a warning message “cannot set due to older version map, there is newer version of this map”  The system clears and indicate in red the version number filed. | The map and its places must be defined in DB.  Logged as Product department worker | Can’t set current map with older version of it! |
| 3 | Valid version number or doesn’t have alpha characters | Open Set version window  Type or select a City to set a map, example: Haifa  Show list of maps select one for example the category 1  “Restaurants” fill version of the map/maps for example -2.0V or “asd”  Click “OK” button. | The system throws out a warning message “the version number is not in a proper format!”  The system clears all files and exit to home window. | The map and its places must be defined in DB.  Logged as Product department worker | The version must be number (float) and positive |
| 4 | City doesn’t exist | Open Set version window  Type or select a City to set a map, example: Honolulu  Show list of maps select one for example the category 1  “Restaurants” fill version of the map/maps for example 2.0V  Click “OK” button. | The system throws out a warning message “the city is not defined”  The system clears all files and exit to home window. | The map and its places must be defined in DB.  Logged as Product department worker | City is not defined in DB. |
| 5 | Map is deleted or not defined | Open Set version window  Type or select a City to set a map, example: Haifa  Show list of maps select one for example the category 1  “Restaurants” fill version of the map/maps for example 2.0V  Click “OK” button. | The system throws out a warning message “selected map was deleted or not defined”  The system clears all files and exit to home window. | Logged as Product department worker | Map is not in DB. |
| 6 | Empty fields | Open Set version window  Type or select a City to set a map, example: “”  Show list of maps select one for example the category 1  “” fill version of the map/maps for example 2.0V  Click “OK” button. | The system throws out a warning message “one or more field is empty”  The system clears all files and exit to home window. | Logged as Product department worker | Must fill all fields |
| 7 | cancel | Open Set version window  Fill all fields or part of then then press on cancel button | The system goes to homepage |  | Back to home |

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1  Update version to map collection | Update  successful | Open Update version window  Type or select a City to update a map, example: Haifa  Update the current Map category 1 “Restaurants” version 1.3V with the Approved one version 2.0V  Click “OK” button. | Show a new Message about Updating version successful then go home window.  Map is updated in DB | Map must be approved.  The Approved map and its places must be defined in DB.  Logged as Product department worker | Updated current map with new one |
| 2 | Map not approved | Open Update version window  Type or select a City to update a map, example: Haifa  Update the current Map category 1 “Restaurants” version 1.3V with the Approved one version 2.0V  Click “OK” button. | The system throws out a warning message “the map is not approved by the manager!”  The system clears all files and exit to home window. | The map and its places must be defined in DB.  Logged as Product department worker | The map must be approved in order to update it |
| 3 | cancel | Fill all fields or part of then then press on cancel button | The system goes to homepage | Logged as Product department worker | Back to home |

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| #  clients managment | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | ClientInformationViewedSuccsesfully | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: arik  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  Manager select user from db. | Client's information will be inspected by user. | Client must be registered in the db.  User must be logged in as a manager. | Client "x" information is being viewd. |
| 2 | ThereAreNoClientsInDb | The System opens "Client Information" status.  Client list is empty.  System returns back to main window. | Clients list is empty thus there is nothing to show | Client list must be empty.  User must be logged in as a manager. | There are no clients |
| 3 | FieldsAreEmpty | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: ""  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage "field" is empty. | Field Must be Empty. | A field was not filled. |
| 4 | WrongFormat. | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "123"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by. | An error accrued.  System throws a massage "wrong format"  System clears field.  System marks wrong field red. | A format of typing must be worng. | Field "X" is in wrong format. |
| 5 | NameIsWrong | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage "name was not found"  System clears field.  System marks wrong field red. | Client must be in DB | Name "x" was not found in DB |
| 6 | FamilyNameIsWrong | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage " family name was not found"  System clears field.  System marks wrong field red. | Client must be in DB | Family Name "x" was not found in DB |
| 7 | PhoneHaveCharactersInIt | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"05476axxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage " Phone number have characters in it"  System clears field.  System marks wrong field red. | Client must be in DB | Phone number have characters in it. |
| 8 | PhoneIsIncorrent | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"05476axxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage " Phone number is incorrect"  System clears field.  System marks wrong field red. | Client must be in DB | Phone number have characters in it. |
| 9 | EmailIsWrong | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik300000@gmail.com](mailto:arik300000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage " family name was not found"  System clears field.  System marks wrong field red. | Client must be in DB | Email "x" was not found in DB |
| 10 | PurchasedMapNotFound | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik300000@gmail.com](mailto:arik300000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "hezda"  Date of activity:  13/04/2019.  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by. | An error accrued.  System throws a massage " map was not found"  System clears field.  System marks wrong field red. | Client must be in DB | map "x" was not found in DB |
| 11 | DateHadNoActivity | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik300000@gmail.com](mailto:arik300000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "hezda"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by. | An error accrued.  System throws a massage " there was no activity in this date"  System clears field.  System marks wrong field red. | Client must be in DB | Date "x" had no recorded activity |
| 12 | NoPremission | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "moshe"  Family Name :"skigin"  Email:[arik300000@gmail.com](mailto:arik300000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "hezda"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by. | An error accrued.  System throws a massage " you do not have premisson to manage account"  System clears field.  System marks wrong field red. | Client must be in DB | Unauthorized access. |
| 13 | FieldTooShort/Long | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arikkkkkkkkk"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by.  System reports to company manager about missing fields. | An error accrued.  System throws a massage "Field is too short/long"  System clears field.  System marks wrong field red. | Field must be too short/Long | Field "X" is is too short/long. |
| 14 | CancelOperation | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arik"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Get info By:  Subscription type: "solely/periodically".  Purchased maps:  "Haifa"  Date of activity:  13/04/2019  Choose the client  Choose the wanted task:  Manage/get information.  Choose get info by. | System cleans all fields. | 1)User must be logged in as a Company manager. | Operation was canceled and no client management happened. |
| 15 | ChangeClientName | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arik"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Manage Information:  Username:"arik30000"  Name: "erick"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Choose the client  Choose the wanted task:  Manage/get information.  Click "submit".  Manager changes user name in db. | System changes Client name field successfully .  System clears fields. | 1)User must be logged in as a Company manager.  2)client must be in db | Client's info has been changed |
| 16 | ChangeClientLastName | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arik"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Manage Information:  Username:"arik30000"  Name: "erick"  Family Name :"roth"  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Choose the client  Choose the wanted task:  Manage/get information.  Click "submit".  Manager changes user family name in db. | System changes Client family name field successfully .  System clears fields. | 1)User must be logged in as a Company manager.  2)client must be in db | Client's info has been changed |
| 17 | ChangeClientEmail | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arik"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Manage Information:  Username:"arik30000"  Name: "erick"  Family Name :"roth"  Email:[arik3@gmail.com](mailto:arik3@gmail.com)  Phone:"054760xxxx"  Choose the client  Choose the wanted task:  Manage/get information.  Click "submit".  Manager changes user email in db. | System changes Client Email field successfully .  System clears fields. | 1)User must be logged in as a Company manager.  2)client must be in db | Client's info has been changed |
| 18 | ChangeClientPhone | The System opens "Client Information" status.  Search for a client by:  Username:"arik30000"  Name: "arik"  Family Name :skigin  Email:[arik30000@gmail.com](mailto:arik30000@gmail.com)  Phone:"054760xxxx"  Manage Information:  Username:"arik30000"  Name: "erick"  Family Name :"roth"  Email:[arik3@gmail.com](mailto:arik3@gmail.com)  Phone:"054750xxxx"  Choose the client  Choose the wanted task:  Manage/get information.  Click "submit".  Manager changes user phone in db. | System changes Client phone field successfully .  System clears fields. | 1)User must be logged in as a Company manager.  2)client must be in db | Client's info has been changed |

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| #  deleting a place of interest | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | DeletePlaceOfInterestSuccsesfully | Enter Edit map content  Enter Deleting place of interest  Enter city:"Haifa"  Select Place of Interest:”park ha-yarkon“  Delete selected place from db. | The place of interest was successfully deleted from db | 1)User must be logged in as a manager. Company or product department manager.  2) city and place exist in DB | Place of interest "X" was deleted from db. |
| 2 | PlaceOfInterestDontExist | Enter Edit map content  Enter Deleting place of interest  Enter city:"Haifa"  Select Place of Interest:"x" | An error accrued and place of interest:"x" could not be found and was not deleted.  System clears fields. | 1)User must be logged in as a manager. Company or product department manager.  2) place of interest doesn’t exist in DB | Place of interest "X" was not deleted from db. |
| 3 | CityDoesn’tExist | Enter Edit map content  Enter Deleting place of interest  Enter city:"Hai"  Select Place of Interest:"park ha-yarkon" | A system throws warning “city doesn’t exist”  System clears fields. | 1)User must be logged in as a manager. Company or product department manager.  2) city doesn’t exist in DB | Place of interest cannot be deleted because there’s no relevant city. |
| 4 | emptyField | Enter Edit map content  Enter Deleting place of interest  Enter city:""  Select Place of Interest:"" | A system throws warning “you have to fill all the fields” | 1)User must be logged in as a manager. Company or product department manager.  2) empty field | Place of interest was not deleted from db. |
| 5 | CancelOperation | Enter Edit map content  Enter Deleting place of interest  Enter city:"Hai"  Select Place of Interest:"park ha-yarkon"  User Click "Cancel"  System returns to main window | System clears all fields | 1)User must be logged in as a manager. Company or product department manager. | You have canceled |

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| #  Delete tour | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | DeleteTourSuccsesfully | Enter data archive  Enter city:"Haifa"  Select tour:"x"  System Delete selected tour from db. | The tour was successfully deleted from db.  System deletes tour "x" | User must be logged in as a manager.company or product department manager. | Tour "X" was deleted from db. |
| 2 | TourDontExist | Enter data archive  Enter city:"Haifa"  Select tour:”a"  click "search" | An error accured tour:”a" could not be found and was not deleted.  System clears fields. | 1)User must be logged in as a manager.company or product department manager.  2) tour doesn’t exist in DB | Tour was not deleted from db. |
| 3 | CityDoesn’tExist | Enter data archive  Enter city:"Hai"  Select tour:"x"  Click "search" | Tour cannot be deleted now because it is being edited.  System clears fields. | 1)User must be logged in as a manager. Company or product department manager.  2) city doesn’t exist in DB | tour was not deleted from db. |
| 4 | emptyField | Enter data archive  Enter city:""  Select tour:” “  System reports to manager about missing fields. | A system throws warning “you have to fill all the fields”  System clears fields. | 1)User must be logged in as a manager. Company or product department manager.  2) empty field | tour was not deleted from db. |
| 5 | CustomerCancelsOperation | Enter data archive  Enter city:""  Select tour:""  Click “cancel" | A system cleans all fields. | 1)User must be logged in as a manager. Company or product department manager. | tour was not deleted from db. |

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| #  one-time purchase | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | OneTimePurchaseSuccsesfully | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System charges client payment method.  System add one-time purchase to collection of purchased maps.  System preparing the files to download for the client.  Click "download".  System update number of downloads time of maps collection. | Clients get charged for the purchase.  Client download the map collection with updated version | 1)User must be logged in as a client ..  2) client payment method must be valid | Maps collection successfully purchased. |
| 2 | AlreadyPurchasedMapCollectionBuyAgain | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System identifies client has bought the same version of map collection and massage client.  System prompts "Yes" or "NO" button for repurchase.  Client select "YES"  System charges client payment method.  System add one-time purchase to collection of purchased maps.  System preparing the files to download for the client.  Click "download".  System update number of downloads time of maps collection. | Clients get charged for the purchase.  Client download the map collection with updated version | 1)User must be logged in as a client ..  2) client payment method must be valid | Maps collection successfully purchased. |
| 3 | AlreadyPurchasedMapCollectionDontBuyAgain | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System identifies client has bought the same version of map collection and massage client.  System prompts "Yes" or "NO" button for repurchase.  Client select "NO"  System cancel purchase  System returns to main window. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be valid | Maps collection wasn't purchased. |
| 4 | PaymentMethodIsn'tValid | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System returns to main window.  System show massage System charges client payment method.  System show massage purchase canceled.  System returns back to main window. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be invalid | Maps collection wasn't purchased. |
| 5 | CancelOperation | Select "One-time purchase"  Select "collection of city maps"  Click "cancel"  System returns back to main window | A system cleans all fields. | 1)User must be logged in as a client .. | Maps collection wasn't purchased. |
| 6 | PaymentMethodDontExists | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System show massage there is no payment method exists.  System returns to main window. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be not existent | Maps collection wasn't purchased. |

Customer-Periodically subscription purchase

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | PeriodicallyubscriptionPurchaseSuccsesfully | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  System charge the client's payment method.  System add new periodically subscription purchase to the collection of purchased maps.  Press "download"  System update number of downloads time of maps collection. | Clients get charged for the purchase.  Client download the map collection with updated version.  Db was updated | 1)User must be logged in as a client ..  2) client payment method must be valid | Maps collection successfully purchased. |
| 2 | ClientHaveActiveSubscriptionCanRenew | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  System throws out a massage "you can renew subscription".  System forwards to main window. | System forwards client to renew subscription. | 1)User must be logged in as a client ..  2) client payment method must be valid | Renew your subscription. |
| 3 | RequiredFieldsNotFilled | Select "One-time purchase"  Select "collection of city maps"  Click "purchase"  System reports to client about missing selected fields.  System returns to main window. | A system cleans all fields. | 1)User must be logged in as a client .. | Maps collection wasn't purchased. |
| 4 | ClientNotDefinedAsPeriodicallySub | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  System charge the client's payment method.  System add new periodically subscription purchase to the collection of purchased maps.  System adds client to subscribers list.  System defines client as periodically subscription client.  Press "download"  System update number of downloads time of maps collection. | Clients get charged for the purchase.  Client download the map collection with updated version.  Db was updated | 1)User must be logged in as a client ..  2) client payment method must be valid | Maps collection successfully purchased. |
| 5 | PaymentMethodIsn'tValid | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  System throws out massage "there is a problem with payment method".  System returns to main window. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be not valid | Maps collection wasn't purchased. |
| 6 | PaymentMethodDontExists | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  System throws out massage "no payment method exists".  System returns to main window. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be not existent | Maps collection wasn't purchased. |
| 7 | CancelOperation | Select "Periodically subscription purchase"  Select "collection of city maps"  Select "subscription period"  Click "purchase"  System get client payment method.  Client close operation before system charges client. | A system cleans all fields. | 1)User must be logged in as a client ..  2) client payment method must be existent | Maps collection wasn't purchased. |

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| # | Test ID | Description  Search map in catalog | Expected Result | Precondition | Comments |
| 1 | Search map  Successful | Open "Map Search Panel"  Type city name: “Haifa”  Place of interest:"church"  description of the city: “entertainment”  Click “Search” button.  System show guest/user the date from db. | Shows the entertainment map of Haifa city . | Must be a client that subscribed either solely or periodically. | The map you searched for was found! |
| 2 | cityDoesn’tExist | Open "Map Search Panel"  Type city name: “Kiryat Arik”  Place of interest:"church"  description of the city: “entertainment”  Click “Search” button.  System reports to guest/user about missing fields. | The system throws out a warning massage “city doesn’t exist "  The system clears search line. | 1)Must be a client that subscribed either solely or periodically.  2)City not existent in db. | City not found! |
| 3 | DescriptionIsIncorrect | Open "Map Search Panel"  Type city name: “Kiryat Arik”  Place of interest:"church"  description of the city: “blabla”  Click “Search” button.  System reports to guest/user about missing fields. | The system throws out a warning massage “Description was not found "  The system clears search line. | Description Does not exist | Your Description was incorrect. |
| 4 | PlaceOfInterestDoes'tExist | Open "Map Search Panel"  Type city name: “Kiryat Arik”  Place of interest:"churchaa"  description of the city: “entertainment”  Click “Search” button.  System reports to guest/user about missing fields. | The system throws out a warning massage “Place of interest was not found in db “  The system clears search line. | Place of interest doesn’t exist in DB | The search wasn’t end successfully , the require place of interest doesn't available/exist |
| 5 | Incorrect format | Open "Map Search Panel"  Type city name: “Kiryat 3”  Place of interest:"church"  description of the city: “entertainment”  Click “Search” button. | The system throws out a warning message “city search is in incorrect format”  The system clears search line . | Must be a client that subscribed either solely or periodically. | Map must contain only characters without numbers or symbols. |
| 6 | CancelOperation | Open "Map Search Panel"  Type city name: “Haifa”  Place of interest:"church"  description of the city: “entertainment”  Click “cancel” button.  System returns to main widnow | System clears all field | Must be a client that subscribed either solely or periodically. | You have canceled |
| 7 | Fieldsareempty | Open "Map Search Panel"  Type city name: “”  Place of interest:"church"  description of the city:“”  Click “Search” button. | The system throws out a warning message “you must type a city name/category to find a map”  The system clears search line. | Must be a client that subscribed either solely or periodically. | A city must be searched for it to find a map. |

Setting purchase rates

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | SettingPurchaseRatesSuccsesfully | Select "Purchase rates"  Select "update purchase rates”  Select category:” resturnat”  Set update rates to single map purchase:”30 shekel"  Set update rates to Periodically subscription:”12 shekel per day"  Click "OK"  System submits request for approval in db. | Purchase rates updates should be saved in db and awaiting company manager approval.  System show massage "request for approval submitted sucsesfully. | 1)User must be logged in as product department manager.  2)city category exist in DB | Update purchase rates successfully waiting for approval. |
| 2 | SetPurchaseRatesToMinusOrToNull | Select "Purchase rates"  Select "update purchase rates”  Select category:” resturnat”  Set update rates to single map purchase:"-15"  Set update rates to Periodically subscription :" "  Click "OK" | An error accrued the rates was changed to minus/null.  System clears fields and marks the error fields red. | User must be logged in as product department manager. | Purchase rates were not updated due to minus/null rate input. |
| 3 | PurchaseRateListIsEmpty | Select "Purchase rates"  Select "update purchase rates”  System show massage "invalid operation"  System opens new window "new purchase rate" | An error accrued the purchase rate list was empty thus it cannot be opened  Opens new purchase rate window | User must be logged in as product department manager. | List is empty  New purchase rate opened |
| 4 | CustomerCancelsOperation | Select "Purchase rates"  Select "update purchase rates”  Select category:” resturnat”  Set update rates to single map purchase:"-15"  Set update rates to Periodically subscription :" "  Click “cancel"  System returns to main window. | A system cleans all fields. | User must be logged in as product department manager. | The rates weren’t updated |

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | UpdatePurchaseRatesSuccsesfully | Select "update purchase rates”  Select "approved purchase rate"  Click "approve"  System update new price rates in db. | System updates purchase rates in DB. | 1)User must be logged in as product department manager.  2)List of approved purchase rates must not be empty | new purchase rates successfully updated. |
| 2 | PurchaseRatesListIsEmpty | Select "update purchase rates”  Empty list of approved purchase rate  System returns to main window. | The list of approved purchase rates is empty | 1)User must be logged in as product department manager. | Empty list of approved purchase rates |
| 3 | CustomerCancelsOperation | Select "update purchase rates”  Select "approved purchase rate"  Click "Submit"  System returns to main window. | A system cleans all fields. | User must be logged in as product department manager. | The rates weren’t updated |

Update Purchase Rates

Viewing maps collection version waiting for approval

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| *#* | Test ID | Description | Expected Result | Precondition | Comments |
| *1* | MapCollectionsVersionApprovalGettingViewed | Open “Map collection version view status” window.  Type or select Map collections  version and  Click “view” Button | Map collection version is opened and getting viewed.  The DB is updated.  System Login as worker | System Login as worker. There is atleast one map version in the DB. | Map collection version is viewed. |
| *2* | MapCollectionVersionIsNoLongerExists | Open “Map collection version view status” window.  Type or select Map collections  version and  Click “view” Button  The map collectoion version is deleted. | Map collection version cannot be viewed due to a lack of data.  The DB is updated. System Login as worker | System Login as worker. The map collection version is sent to for approval. | Map collection is not exits anymore. |
| *3* | NoMapCollectionsVersionWaitingForApproval | The System throws out ”There is no map collections version that are waiting for Approval” | System Login as worker | System Login as worker. No map collections version waiting for approval |  |
| *4* | MapCollectionsVersionAlreadyApproved | The System opens “map collection version waiting for approval “status. A specific map collection is typed or selected.  ”view” button is clicked. System throws out ”There map collection version is already approved” | The system returns to the previous screen. | System Login as worker. System loging as  worker.  Map collection version is already approved.  DB is updating. |  |
| *5* | MapCollectionVersionSelectedButNoView | The System opens “map collection version waiting for approval “status. A specific map collection is typed or selected.  ”view” button is not clicked. |  | System Login as worker. |  |
| *6* | MapCollectionVersionNotSelectedView | The System opens “map collection version waiting for approval “status. ”view” button is clicked. System throws out ”No map collection version is has been typed or selected. |  | System Login as worker. |  |
| *5* | CancelOperation | The System opens “map collection version waiting for approval “status.  Cancel operation is triggered. | System returns to the previous screen | System Login as worker. |  |

view purchased maps

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| *#* | Test ID | Description | Expected Result | Precondition | Comments |
| *1* | PurchasedMapsSuccessfullyVieed | System“prompts purchased maps” window.  select or type purchased map:  Haifa  Category: historical  Click “view” Button Click | Specific Purchased map is successfully viewed.  DB is updated. | System Login as client. The specific client was purchased at least one map. | Purchased maps are being viewed. |
| *2* | NoPurchasedMaps | System“prompts view purchased maps” window.  System throw out" No purchases have been done" |  | System Login as client. |  |
| *3* | MapIsNotExists | System “prompts view purchased maps” window.  type or select purchased map:  X  click “view” Button Click | System throws out “There is no such map exists” | System Login as client.  The city is not exists in the DB. |  |
| *4* | MapWasChosenNoView | System “prompts view purchased maps” window.  type or select purchased map:  X  “view” Button is not triggered. |  | System Login. as client. There is at least one map in the DB. |  |
| *5* | MapWasNotChosenView | System “prompts view purchased maps” window.  type or select purchased map:  X  “view” Button is not triggered.  The “view” click is triggered. | The system returns to the previous screen. | System Login. as client. at least one map had purchased.  And its in the DB. |  |
| *6* | MapVersionIsTooOld | System “prompts view purchased maps” window.  type or select purchased map:  X  Map version is old.  System throws out “The version it too old” | System returns to the previous screen. | System Login. as client. There is an older map version I the DB. |  |

view mapped city catalog

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| *#* | Test ID | Description | Expected Result | Precondition | Comments |
| *1* | CityCatalogIsBeingViewedSuccessfully | Open catalog” view” window.  City: “Tel Aviv”  Country:”Israel”  Click “OK” | System shows the city’s catalog | City and country exist in DB | The catalog is being viewed. |
| *2* | CityDoesn’exist | Open catalog” view” window.  City: “Tel”  Country:”Israel”  Click “OK” | System throws warning “city doesn’t exist”  System clears fields. | There is no mapped city map in the DB. | The catalog is not being viewed. |
| *3* | EmptyField | Open catalog” view” window.  City: “”  Country:”Israel”  Click “OK” | System throws warning “you have to fill all the fields” | There at least one empty field |  |

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | ***NotificationHasBeenSent*** | The system notifies the client to renew the subscription through SMS and Email. | Client received a notification through SMS and Email.  The DB is updated. | Client’s phone and Email must be in db. | ***Notification Has Been Sent*** |
| 2 | NotificationsToSmsFailed | The system notifies the client to renew the subscription through SMS and Email. | The client phone number is unavailable, SMS massage wasn’t sent  The DB is updated. | Client’s phone and Email must be in db. | SMS Notification has failed. |
| 3 | ***Client’sEmailNoLongerExists*** | The system notifies the client to renew the subscription through SMS and Email. | The client’sEmail is no longer available and Email massage was not sent.  The DB is updated. | Client’s phone and Email must be in db. | Email notification was not sent. |
| 4 | ***NoPeriodicallySubscription Clients*** | The system throws out a messege “There is no ***No Periodically Subscription Clients to notify”*** |  | ***The DB has No Periodically Subscription Clients*** |  |

Subscription RenewalNotification

Receiving an update of newer map version

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | ***NotificationHasBeenSent*** | The system notifies all the clients that purchased the city’s maps. through SMS and Email. | Client received a notification through SMS and Email. | There is atleast one client in the DB.  Client’s phone and Email must be in DB.  Map system Updates latest map version | New version of city’s map notication  Has been sent. |
| 2 | ***NoClientsPurchasedMap*** | There Are no clients that purchased maps. |  | Map system Update latest map version. There is atleast one client in the DB. | No clients to receive an update of newer map version |
| 3 | ***Client’sEmailIsNoLongerExists*** | The system notifies the client to that there is an update of newer map version available | The client’s Email is no longer available and Email massage was not sent.  The DB is updated. | Map system Update latest map version .  Client’s phone and Email must be in DB.  Client’s email is no longer exits. | ***Client’s Email is No Longer Exists*** |
| 4 | ***Client’sPhoneIsNoLongerExists*** | The system notifies the client to that there is an update of newer map version available | The client’s phone number is no longer available and SMS massage was not sent.  The DB is updated. | Map system Update latest map version .Client’s phone and Email must be in DB.  Phone client’s phone number is no longer exits. | ***Client’s phone number is no longer exits*** |

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | DataBaseUpdate | The system calculating and updating the daily statistic's information in DB. | The DB is up to date with the daily information | There is atleast one purchase in the DB | Data Base Updated |
| 2 | NewPurchaseAtTheSameDay | The system calculating and updating the daily statistic's information in DB. | The DB is updating with purchases | Purchase has been done. | New purchase is done and the DB is updating |
| 3 | NoPurchasesHasBeenDone | The system throws out a messege “No Purchases Has Been Done in xx/yy/zzzz\*”  \*End of the day |  | No purchases has been done |  |

Calculating and saving daily statistics

inspect awaiting for approval purchases rates

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| # | Test ID | Description | Expected Result | Precondition | Comments |
| 1 | InspectPurchasesRatesSuccessfully | The System opens “Awaiting for approval purchases rates” status.  Type or select purchase rates.  A specific purchase rates is being selected.  System ask "do you want to  make a comment?  click on “Yes”. | System deletes the purchase rate's from the waiting for approval list | Purchase rates were sent to approval to the company manager.  Purchase rates are in DB.  System Login as worker (Company manager permissions) | A specific purchase rates are being inspected.. |
| 2 | NoAvilablePurchaseRates | The System opens throws out ”There is no purchase rates that are waiting for approval” |  | No purchase rates were sent for approval.  System Login as worker (Company manager permissions |  |
| 3 | PurchaseRatesNotChosenAndComentSelected | The System turns into “Awaiting for approval purchases rates” status. System show information about the purchase rate's  type or select purchase rates.  comment yes or no click is triggered.  The system throws out a messege “no purchase rates were chosen to approve”. | The system returns to the previous screen. | Purchase rates were sent for approval.  Purchase rates are in DB.  System Login as worker (Company |  |