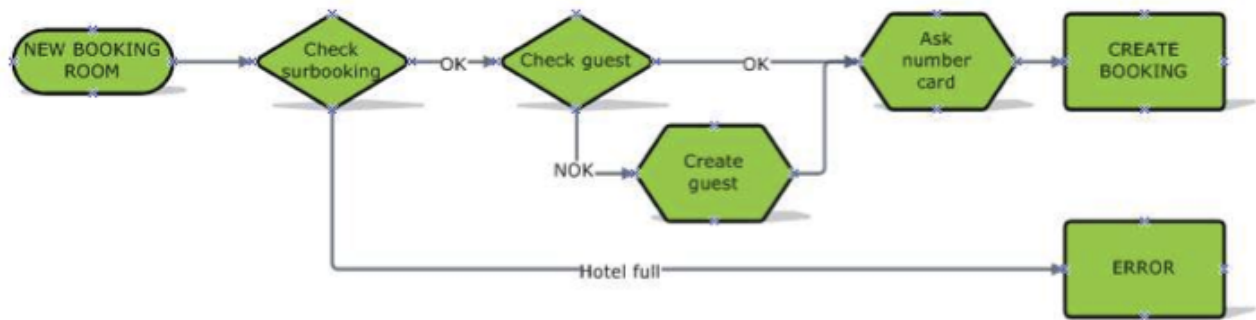


**Live It Rich****Algorithm**

<b>I. Mev1 - New booking of a room</b>	<b>1</b>
<b>II. Mev2 - Modification of a booking for a room</b>	<b>2</b>
<b>III.Mev3 - Delete a booking for a room</b>	<b>3</b>
<b>IV.Mev4 - A guest arrives</b>	<b>4</b>
<b>V. Mev5 - New Guest</b>	<b>4</b>
<b>VI.Mev6 - Modification of a Guest</b>	<b>5</b>
<b>VII.Mev7 - Every Morning</b>	<b>5</b>
<b>VIII.Mev8 - End of journey</b>	<b>6</b>
<b>IX.Mev9 - New room service order</b>	<b>6</b>
<b>X.Mev?? - Clocking In</b>	<b>7</b>

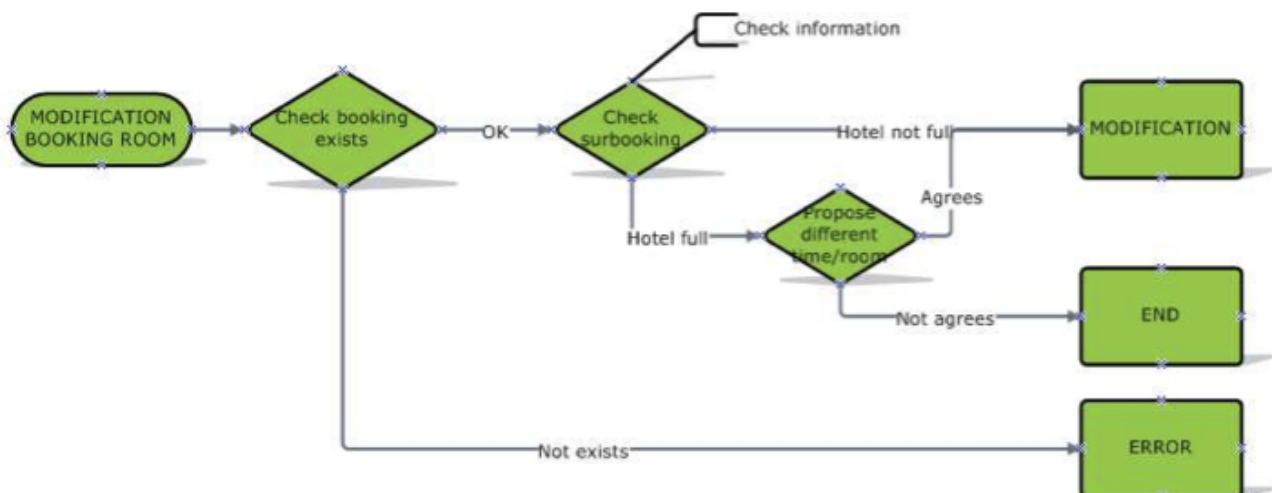
**I. Mev1 - New booking of a room**

@param RoomId, BookingDateOfBeginning, BookingDateOfEnd



- Call M7 (Check Guest existence)
- If M7 true
  - Input Data into Database (on click on the ok button)
- Else
  - Display the create guest button
  - Call Mev5 (New Guest)
  - Input Data into Database (on click on the ok button)

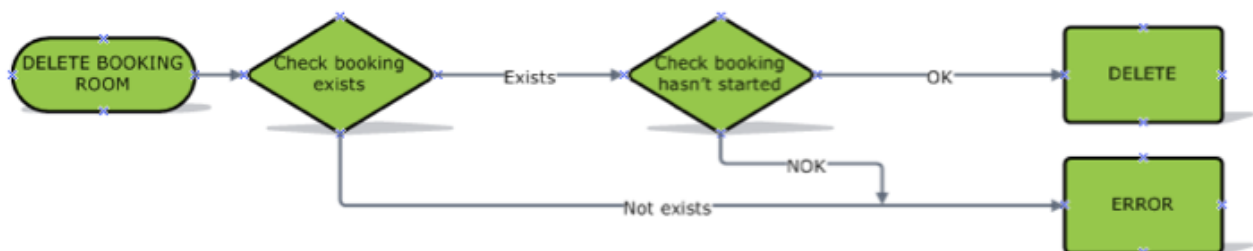
## II. Mev2 - Modification of a booking for a room



@param GuestName, GuestSurname, BookingDateOfEnd

- Ask BookingDateOfBeginning, GuestName and GuestSurname
- Treatments of information and display the corresponds reservations
- Select the reservation of the Guest for the date
- Display new screen
- Retrieve data of booking for the guest
- Input data of the database into champs of form
- Champs surname and name can't be changed
- Input disable button 'OK'
- Input data into champs
- Verification of room availability for the date asked
- Display the result of verification with pop up
- If verification is ok, enable the button 'OK'
- Click on the Ok button
- Input data into the database

### III.Mev3 - Delete a booking for a room

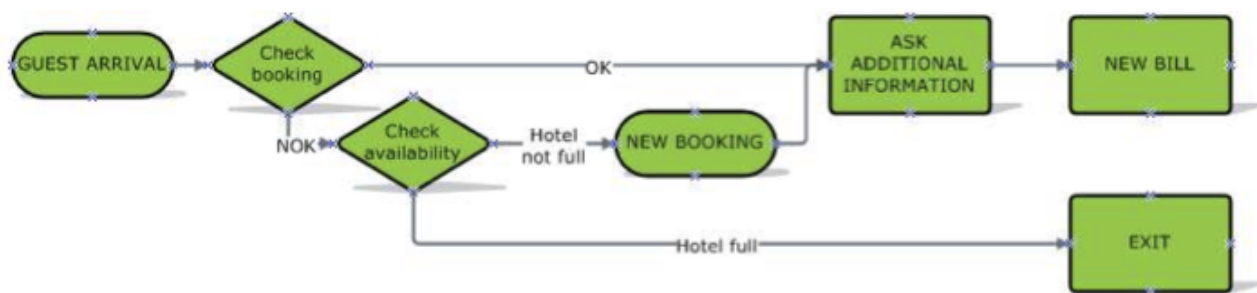


@param GuestName, GuestSurname, BookingDateOfEnd

- Ask BookingDateOfBeginning, GuestName and GuestSurname
- Treatments of information and display the corresponds reservations
- Select the reservation of the Guest for the date
- Display pop up of confirmation
- If yes click
  - Suppress data of database
  - Exit the pop up

- If no click
  - Exit the pop up
- Display the update

#### **IV. Mev4 - A guest arrives**



#### **V. Mev5 - New Guest**

- Call M7 (Check Guest existence)
- If Guest exist

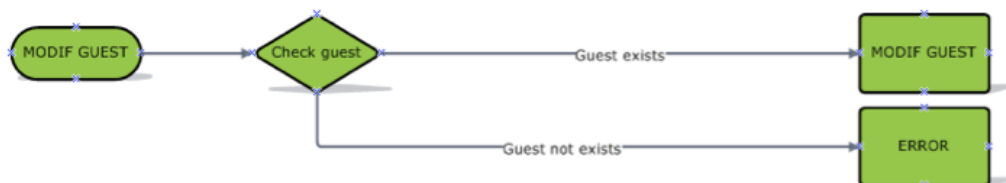
- New guest



- Error (WindowsError : «The Guest is already exist»)
- Else
  - Input data into champs (possibility to cancel treatment)
  - Input data into database

## VI.Mev6 - Modification of a Guest

- Modification of a guest



- Call M7 (Check Guest existence)
- If Guest not exist
  - Error (WindowsError : «the client is unknown»)
- Else
  - Recovery data into champs
  - Save the modification

## VII.Mev7 - Every Morning

- Every morning



- For all booking in the middle DateToday
  - Call M8 (Check no show Booking)
  - If Guest no show

- Edit bill (M..)
- Return true
- Else
- Return false

## VIII.Mev8 - End of journey

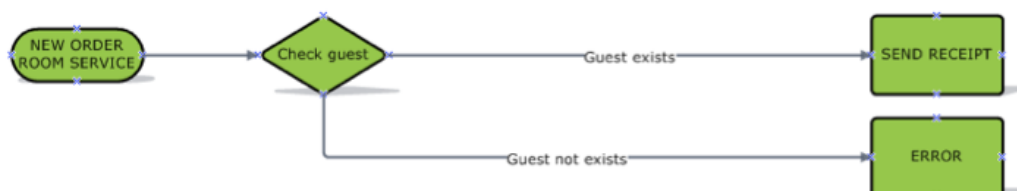
- End of a journey



- For all booking
  - If DateEndOfJourney is today
    - **GET** (idGuest) of booking
    - Call M9 (Check account customer's)
    - If has an account
      - Add bill to account (M..)
    - Else
      - Print (Edit) Bill (M..)
      - Request payment (M..)

## IX.Mev9 - New room service order

- New room service order

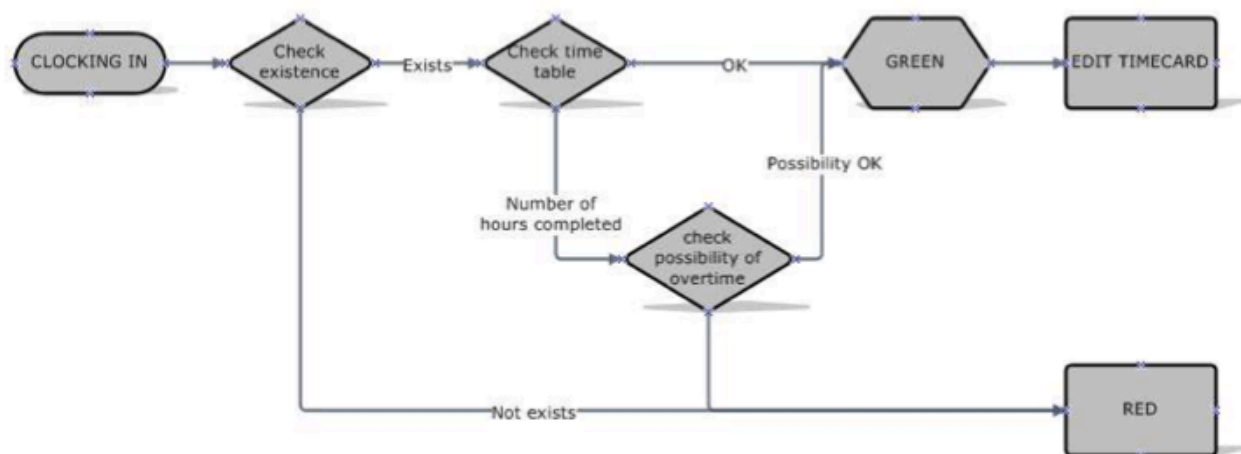


- Call M7 (Check Guest existence)
- Check service existence ???
- If Guest exist
  - Send receipt
  - Add to bill .....

- Else
  - Error (WindowsError : «the client is unknown»)

## X.Mev?? - Clocking In

- Clocking in



- Call M10 (Check Staff Existence)
- If Staff Exist = true
  - Call M11 (Check Time Table)
  - If Time = zero
    - GREEN
    - Edit TimeCard
  - Else
    - Call M12 (Check Possibility of overtime)
    - If possibility = true
      - GREEN
      - Edit TimeCard
    - Else
      - RED
- Else
  - RED