



Hip Hip Array! Elaboration Document

Chameleon Events

Team Members:



A handwritten signature in blue ink, appearing to read "jmel".

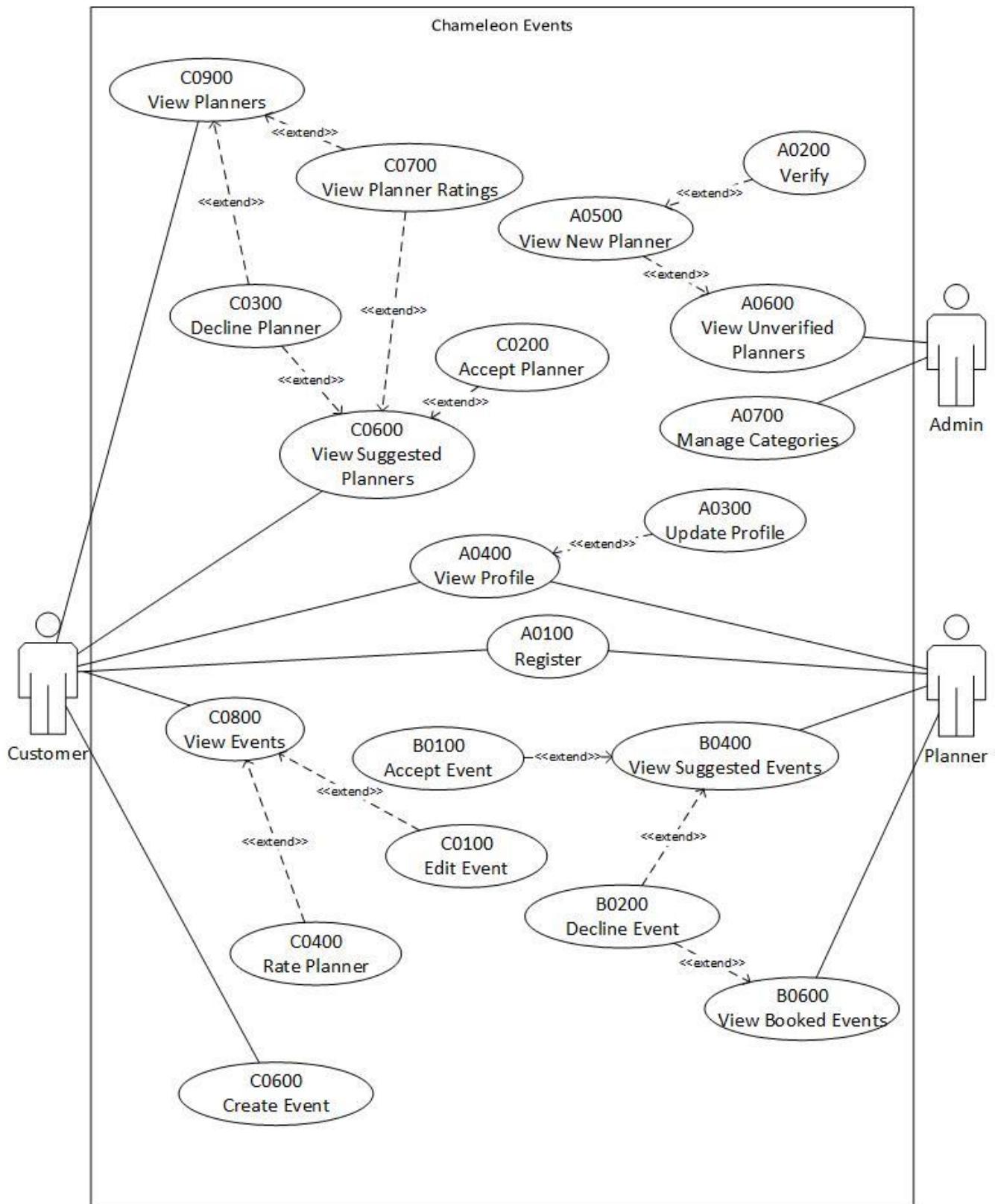
Document Date: 20/05/2022

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1 FUNCTIONAL REQUIREMENTS

1.1 Analysis Use Case Model



1.2 Use Case Glossary and Responsibilities

Team Member Responsible: [REDACTED]	
Use Case Id	Use Case Name
A0100	Register
A0200	Verify
A0300	Update Profile
C0400	Rate Planner
Queries/Reports	
A0400	View Profile
A0500	View New planer
A0600	View Planners
A0700	Manage Categories

Team Member Responsible: [REDACTED]	
Use Case Id	Use Case Name
B0100	Accept Event
B0200	Decline Event
Queries/Reports	
B0400	View Suggested Events
B0600	View Booked Events
C0600	View Suggested Planners
C0900	View Planners

Team Member Responsible: [REDACTED]	
Use Case Id	Use Case Name
C0100	Edit Event
C0200	Accept Planner
C0300	Decline Planner
C0500	Create Event
Queries/Reports	
C0700	View Planner Ratings
C0800	View Events

2 UI Prototypes

2.1 Team UI Guidelines

The system will have a fixed three horizontal striped menu icon at the top left of the screen, as can be seen in our following designs. The menu options offer a clear logout option for users. The system can further be navigated by means of the built-in android system navigation.

On each screen that the menu takes the users, there are question mark buttons that pops up a message that will explain to the user exactly what is displayed on the screen and what the user can do on the screen/the function of the screen. Some screens, where applicable, has a filter button to make searching easier for the users so they can easily find what they are looking for.

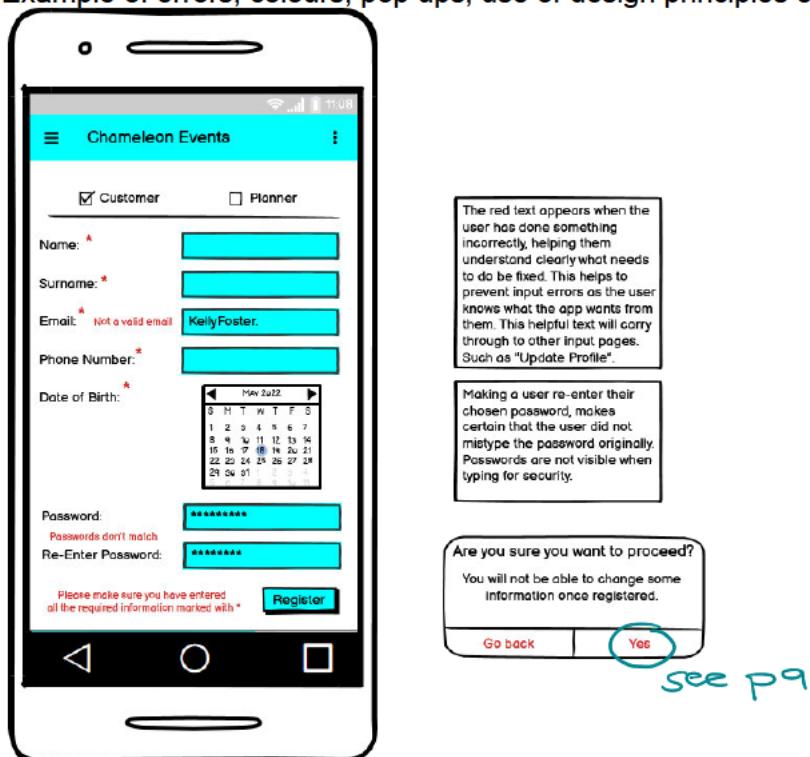
only some designs have this
(is it suppose to be like that)

Radio-buttons, checkboxes, drop-down menus, etc., are used throughout the system to manage user input and to minimize errors from occurring. If an error occurs, such as the user enters an invalid email address, the system will display a clear error message explaining the error and how to fix it. It will also be clear where that error is made by clearing the input, setting focus, and putting a red asterisk next to the input.

On some pages, a pop up will confirm whether the user is sure they are ready to proceed, whether they mean to save changes or to add a category.

The system has a consistent font and colour scheme of blue and white with black text. Each screen follows the same outlines with a minimalist design in regards with simple naming conventions, menu placement, help buttons, etc.

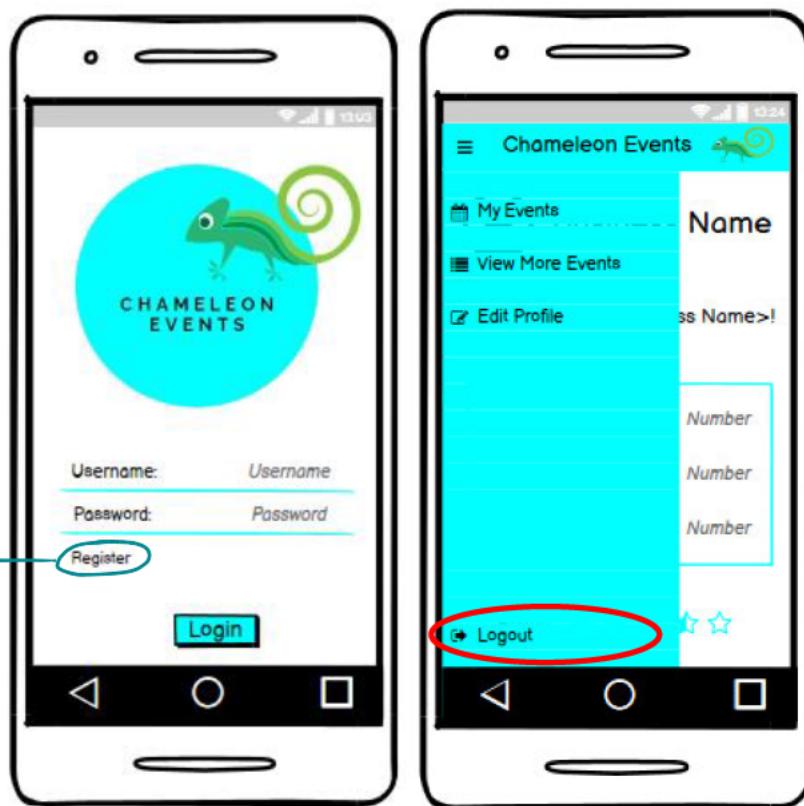
Example of errors, colours, pop ups, use of design principles etc.



2.2 Team Design for

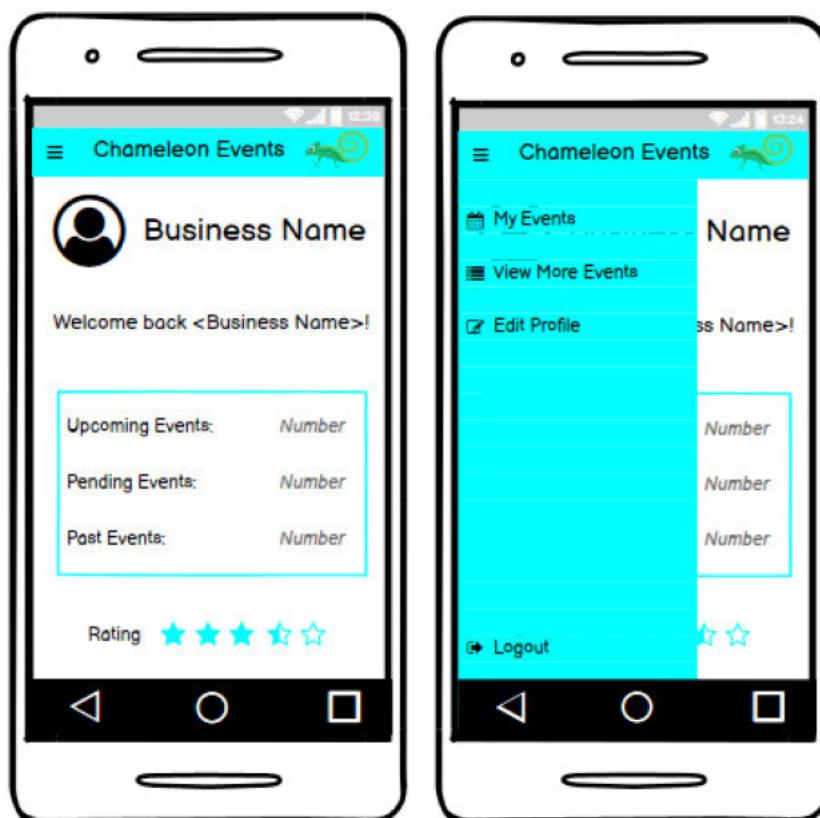
2.2.1 Login / Logout

Should be
a button
next to
the Login

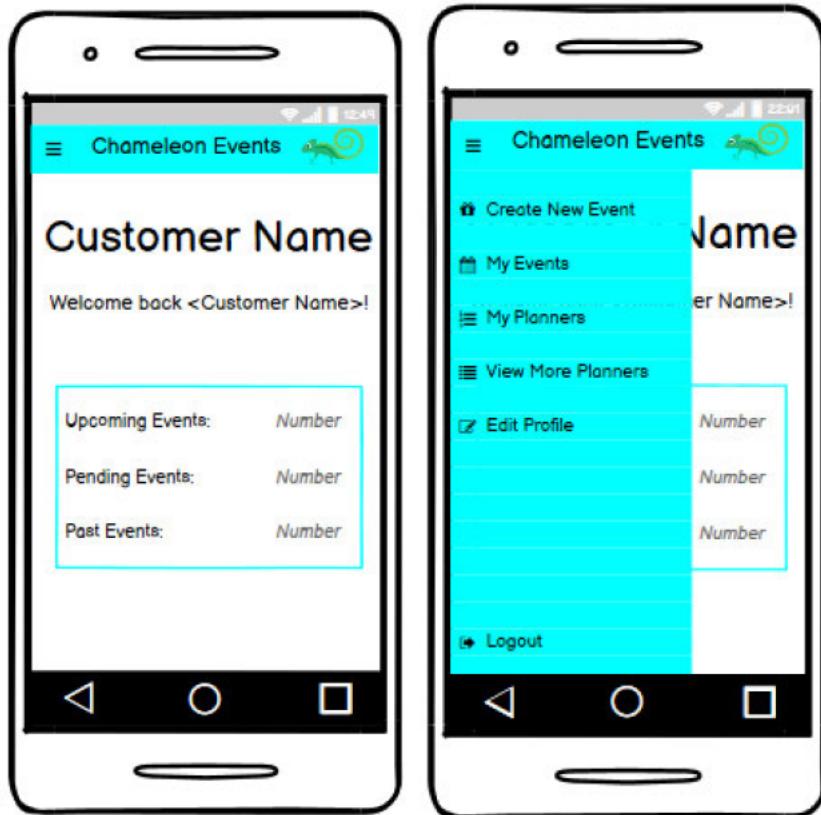


2.2.2 Dashboard / Landing Page / Main Page

Planner:



Customer:



Admin:



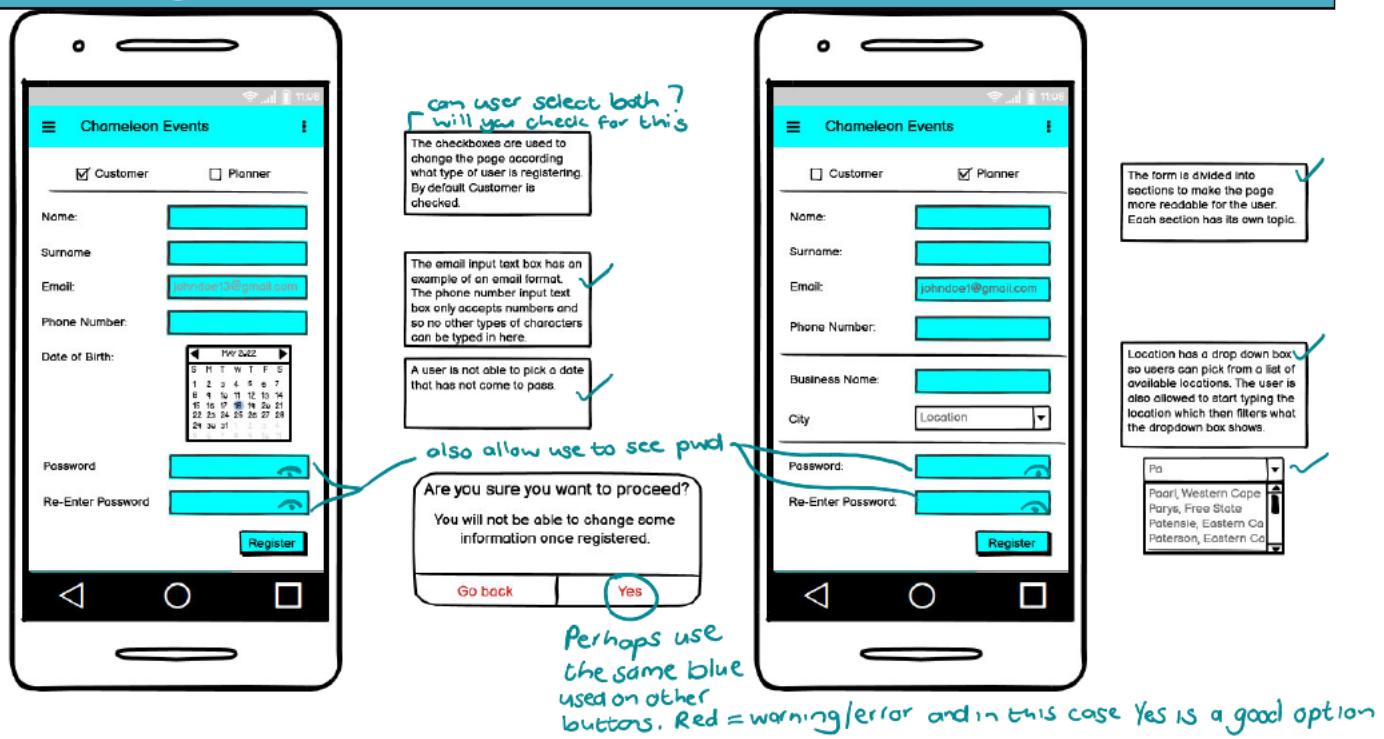
2.3 UI Designs & Updated Analysis Use Case Narratives

✓ It is assumed that the pre-conditions for every use case is that the application must be open and the user must be logged onto the application except in the case of A0100, Register where logging on is not a pre-condition.

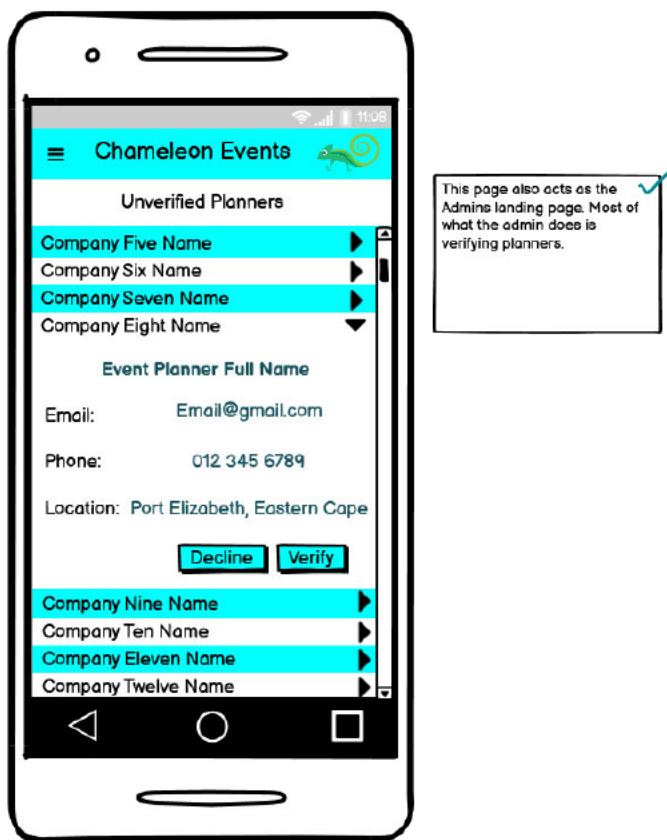
2.3.1 Designed by [REDACTED]

Use Case ID	Use Case Name
A0100	Register
Primary Business Actors	Other participating Actors
Customer, Planner	
Description	Users of the application must register before being able to use the application.
Pre-Conditions	
Triggers	Register button is selected from login menu.
Post-Conditions	Customers are registered and ready to use the app. Planners details are recorded in the database with an attribute, Verified, marked to no, waiting to be verified by admin.
Basic Flow of Events	<ol style="list-style-type: none"> System displays form. User inserts information into the form that is required. User selects register button and pop up appears to confirm choice User selects to proceed. Information is added to the database. If the user is a customer: System checks if customer is at least 18 years old, using entered birth date. If Customer is at least 18: Email is sent to customer notifying of successful registration. Return to login screen(pressing back button at any time automatically calls step 8)
Alternate Flow of events	<p>4.1 User selects to not proceed. 4.2 Return to step 2)</p> <p>6.1 User is a planner: Email is sent to planner to inform them that they are pending verification. 6.2 Return to step 6).</p> <p>7.1 Customer is not at least 18: Email sent to customer notifying of unsuccessful registration and reason why. 7.2 Return to step 6).</p>

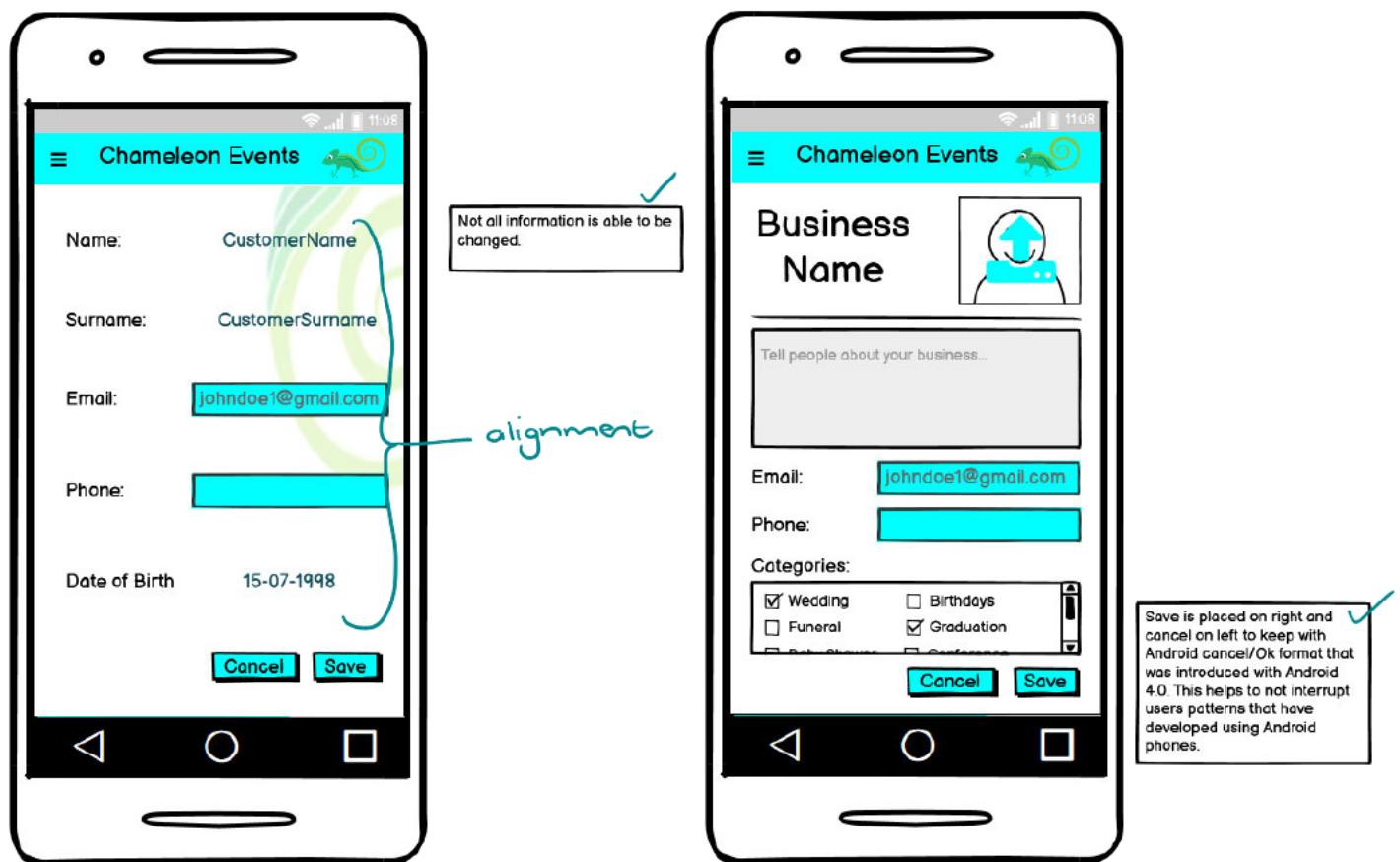
Initial UI design



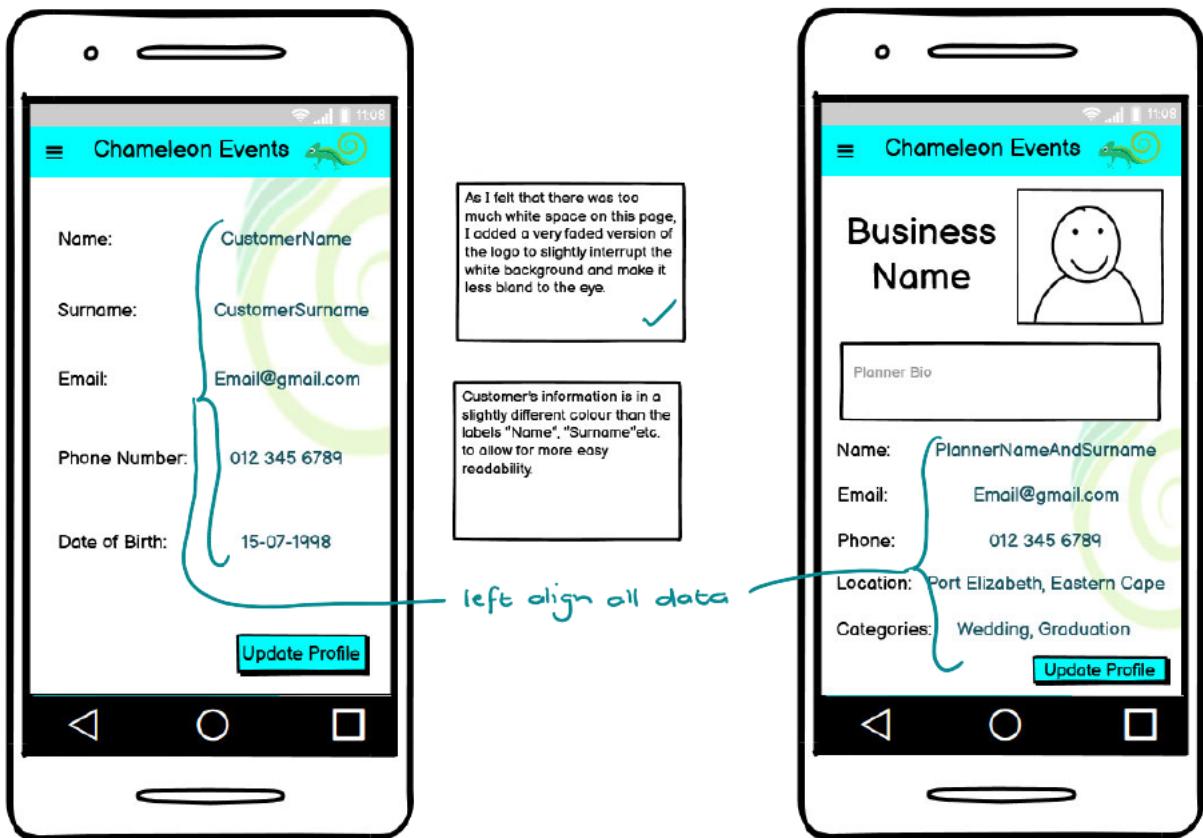
Use Case ID	Use Case Name
A0200	Verify
Primary Business Actors	Other participating Actors
Admin	
Description	Verify a new planner to ensure they are truly a planner.
Pre-Conditions	Planner must have already registered with the application.
Triggers	Called from A0500. ✓
Post-Conditions	Planner is verified or declined.
Basic Flow of Events	<ol style="list-style-type: none"> 1. Admin selects to verify planner. 2. An Email is sent to the planner to notify of verification 3. Return to step 1) in A500. (Pressing back button automatically calls step 3)
Alternate Flow of events	<ol style="list-style-type: none"> 1.1 Admin declines to verify 1.2 An Email is sent to the planner to notify them that they are declined. 1.3 The new planner's information is removed from the database. 1.4 Return to step 3)
Initial UI design	



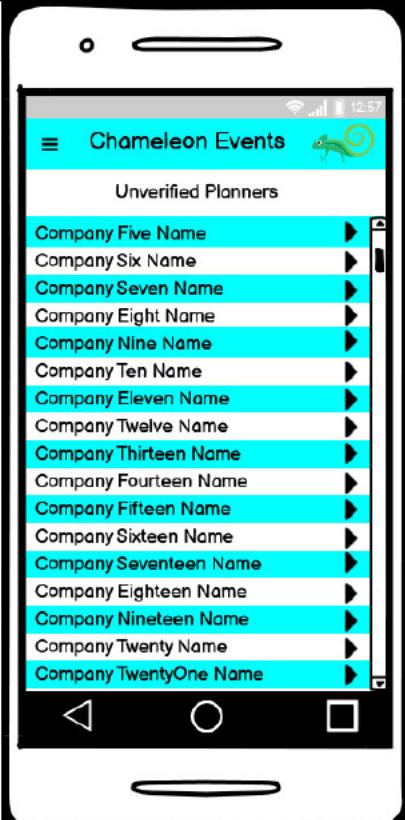
Use Case ID	Use Case Name
A0300	Update Profile
Primary Business Actors	Other participating Actors
User, Planner	
Description	A user can update their profile information. Only certain information is allowed to be updated. Identifying information, including Names, birth dates, business names etc cannot be changed via this use case.
Pre-Conditions	The user is viewing their profile.
Triggers	Called from A0400 ✓
Post-Conditions	Profile information is successfully updated in the database.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Profile attributes become editable. 2) User changes details. 3) User presses Save Changes button. (No pop up as they can just keep changing the information if not happy) 4) Application updates the new information in the database. 5) Return to Step 1) in A0400
Alternate Flow of events	<ol style="list-style-type: none"> 3.1 User presses cancel button or back button. 3.2 Go to step 5)
Initial UI design	



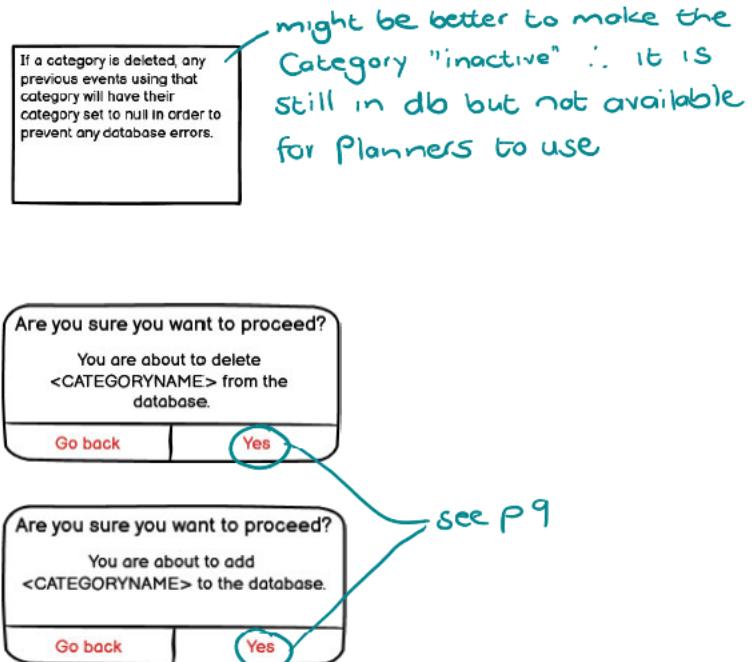
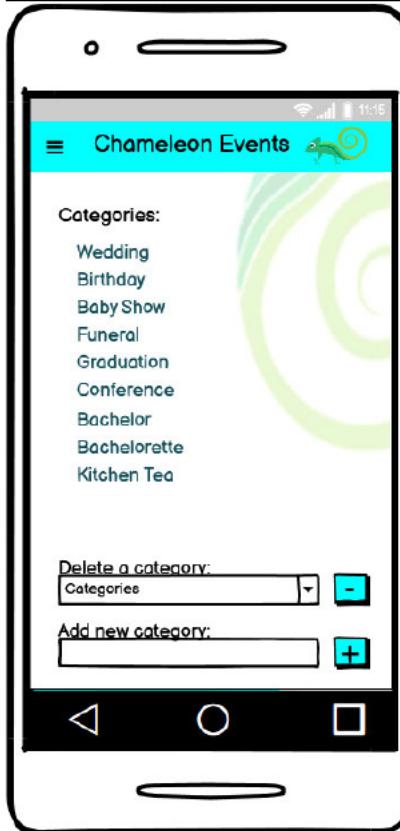
Use Case ID	Use Case Name
A0400	View Profile
Primary Business Actors	Other participating Actors
Customer, Planner	
Description	Allows the user to view their profile.
Pre-Conditions	Menu must be open.
Triggers	User selects to view profile from menu.
Post-Conditions	Application displays the user's profile.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Query is performed to fetch user's information 2) Application displays the user's information. 3) Presses back button: Return to landing page.
Alternate Flow of events	<ol style="list-style-type: none"> 3.1 Select Update Information button Profile 3.2 Call A0300
Initial UI design	



Use Case ID	Use Case Name	
A0500	View New Planner	
Primary Business Actors	Other participating Actors	
Admin		
Description	Admin chooses to view a planner's full details.	
Pre-Conditions	Admin is on landing page.	
Triggers	Called from A0600 ✓	
Post-Conditions	The Application displays the planner's information.	
Basic Flow of Events	1) A query is performed to fetch the planner's information. 2) The application displays the information on the screen 3) Pressing back or company name closes the information.	
Alternate Flow of events	4) To verify call A0200 Admin taps on Verify or Decline button, calls A200	
Initial UI design	 <p>This page also acts as the Admin's landing page. Most of what the admin does is verifying planners.</p>	

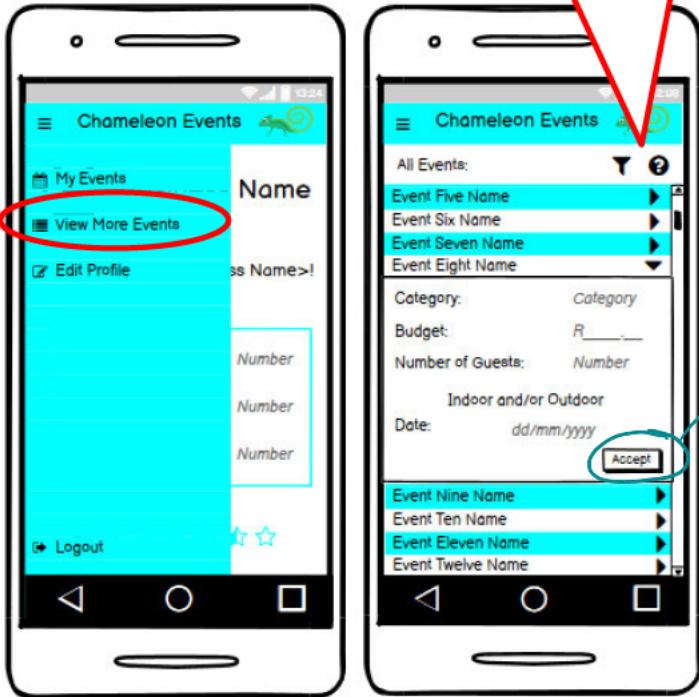
Use Case ID	Use Case Name	
A0600	View Unverified Planners	
Primary Business Actors		Other participating Actors
Admin		
Description	The application displays a list of new planners to verify by name of business when the admin logs on.	
Pre-Conditions	Must be logged on to the application as an admin.	
Triggers	Admin logs in.	
Post-Conditions	Application displays the list of unverified planners.	
Basic Flow of Events	1) A query is performed to fetch a list of unverified planners. 2) Application displays the list. 3) Admin selects to view a planner by tapping a name. 4) Call A0500	
Alternate Flow of events	Pressing back button without viewing an individual planner will exit the application.	
Initial UI design	 <p>The image shows a mobile phone displaying the 'Chameleon Events' app. The screen title is 'Chameleon Events' with a chameleon icon. Below it, the section title 'Unverified Planners' is displayed. A list of names follows, each preceded by a right-pointing arrow icon: Company Five Name, Company Six Name, Company Seven Name, Company Eight Name, Company Nine Name, Company Ten Name, Company Eleven Name, Company Twelve Name, Company Thirteen Name, Company Fourteen Name, Company Fifteen Name, Company Sixteen Name, Company Seventeen Name, Company Eighteen Name, Company Nineteen Name, Company Twenty Name, and Company TwentyOne Name. At the bottom of the screen are standard Android navigation icons: a triangle pointing left, a circle, and a square.</p>	

Use Case ID	Use Case Name
A0700	Manage Categories
Primary Business Actors	Other participating Actors
Admin	
Description	Allows admin to view, delete and add categories.
Pre-Conditions	
Triggers	Admin selects 'Manage Categories' from menu.
Post-Conditions	Admin views the categories. If added a category, then it is added to the database. If deleted a category, then category is removed from the database.
Basic Flow of Events	<ol style="list-style-type: none"> 1. A query is performed to fetch all categories in the database. 2. Application displays the data retrieved. 3. Admin selects back button to return to landing page/step 1) of A0600
Alternate Flow of events	<ol style="list-style-type: none"> 3.1 Admin inputs a category name to add 4. Admin selects add button. 5. System displays a pop up to confirm choice 6. Admin selects to proceed else return to step 2) 7. Category added to database 8. Return to step 2) 3.3 Admin selects a category from dropdown box to delete 4. Admin selects delete button. 5. System displays pop up to confirm choice 6. Admin selects to proceed else return to step 2) 7. Category removed from database 8. Return to step 2)
Initial UI design	



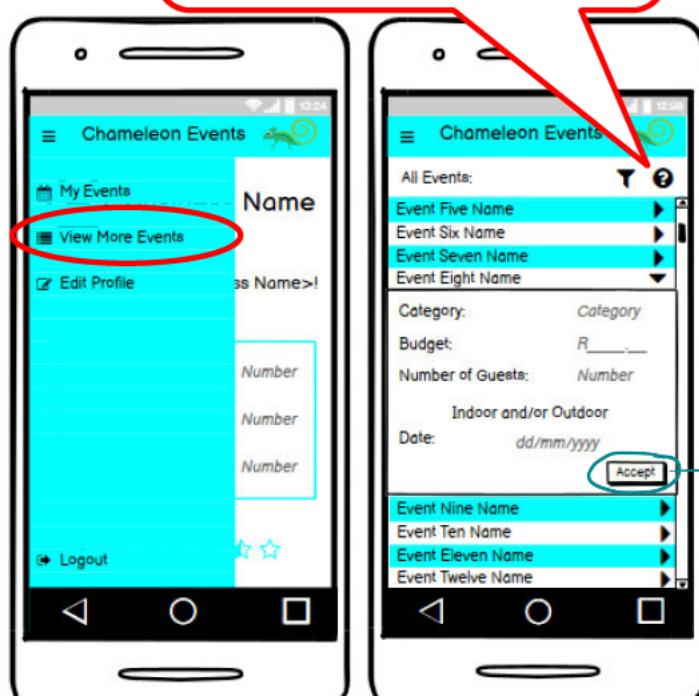
Use Case ID	Use Case Name
C0400	Rate Planner
Primary Business Actors	Other participating Actors
Customer	Planner
Description	After an event takes place, the customer has the option to rate the planner.
Pre-Conditions	Customer must have created an event and paired successfully with a planner.
Triggers	Called from C0800
Post-Conditions	Planner receives their rating, and their average rating is updated.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Application displays rating form. 2) Customer rates planner out of 5 stars and optionally adds a comment. 3) Customer selects Rate button 4) Rating and comment attributes are updated in the database. 5) Planner's average rating is recalculated. 6) Rating and comment sent to planner. 7) Return to C0800.
Alternate Flow of events	Pressing back button at anytime will return to C0800.
Initial UI design	 <p>A hand-drawn checkmark is placed next to the bottom right corner of the phone icon.</p>

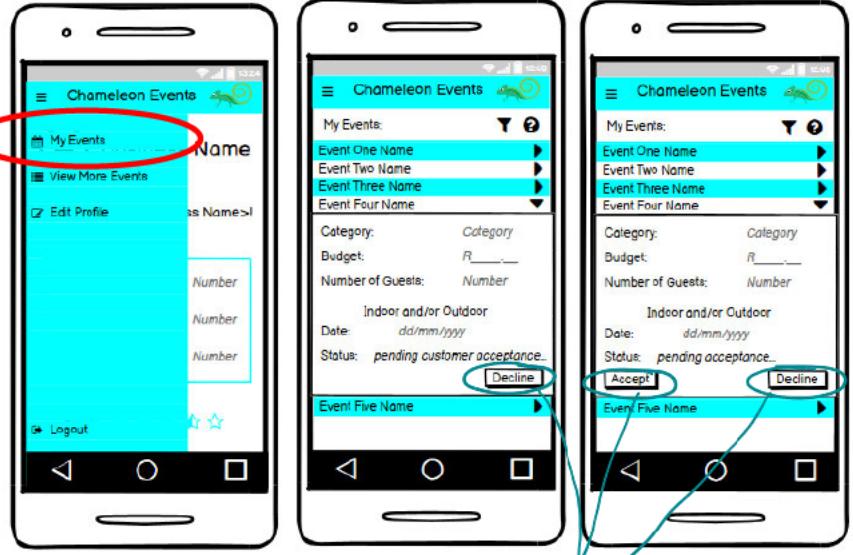
2.3.2 Designed by [REDACTED]

Use Case ID	Use Case Name	
B0100	Accept Event	
Primary Business Actors		Other participating Actors
Planner		
Description	Planner accepts an event and if customer has also accepted planner then an event is booked.	
Pre-Conditions	Planner is viewing suggested events	
Triggers	Planner selects accept event button in B0400.	
Post-Conditions	Database is updated to show that planner has accepted the event and an even may be booked if conditions are met	
Basic Flow of Events	1) Event is marked as accepted by specific planner 2) The system does a check to see whether the customer has also accepted this planner. 3) If true B0700 is called.	
Alternate Flow of events	? o	
Initial UI design	 <p>Filter button to search events from certain times/certain category/certain budget/certain number of guests. Help button popup with information on how to navigate screen.</p> <p>why is the colour different here? on previous views it is blue.</p>	

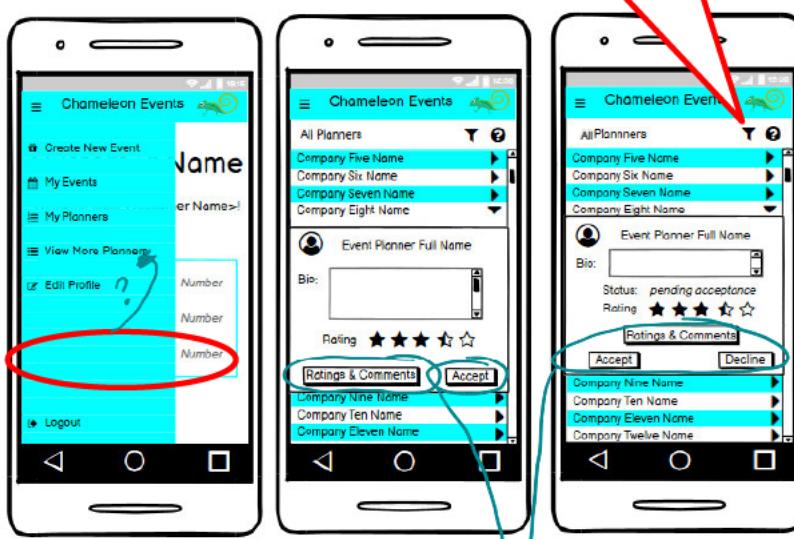
Use Case ID	Use Case Name
B0200	Decline Event
Primary Business Actors	Other participating Actors
Planner	
Description	Planner decides to decline the event and if the customer has accepted this planner then a notification is sent to the customer.
Pre-Conditions	Planner is viewing suggested events.
Triggers	Planner selects to decline an event in B0200.
Post-Conditions	Event is declined and Customer is notified.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Event will be removed from Planners suggested events 2) Planner will be removed from Customers suggested planners 3) Notification is sent to Customer letting them know the planner declined the event.
Alternate Flow of events	
Initial UI design	<p>Filter button to search events from certain times/certain category/certain budget/certain number of guests. Help button popup with information on how to navigate screen.</p>

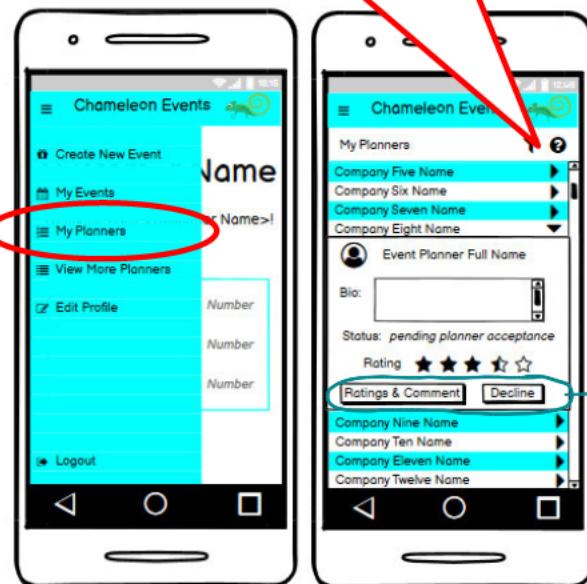
See p 17

Use Case ID	Use Case Name
B0400	View Suggested Events
Primary Business Actors	Other participating Actors
Planner	
Description	Suggested events are displayed one by one to Planner and Planner has the option of declining or accept an event.
Pre-Conditions	<i>more</i>
Triggers	Planner selects view events button.
Post-Conditions	Application displays first event.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Query is performed 2) Events are displayed 3) Planner opens event, may choose to accept. 4) Opts to Accept Event (Call B0100)
Alternate Flow of events	4) Back button is pressed
Initial UI design	<p>Filter button to search events from certain times/certain category/certain budget/certain number of guests. Help button popup with information on how to navigate screen.</p>  <p>see p17</p>

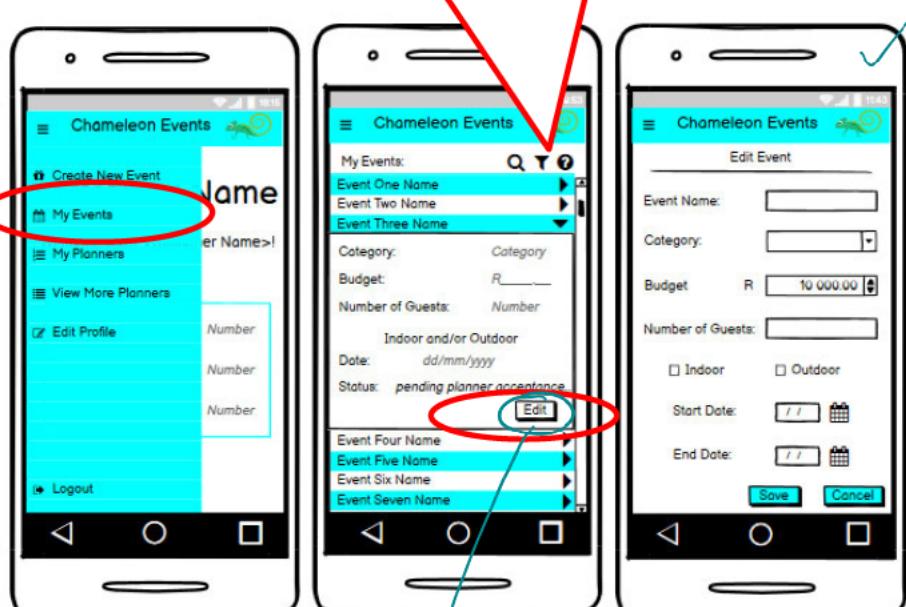
Use Case ID	Use Case Name
B0600	View Booked Events
Primary Business Actors	Other participating Actors
Planner	
Description	Planner views their booked events.
Pre-Conditions	
Triggers	Planner selects view your events button.
Post-Conditions	System displays a list of their booked events.
Basic Flow of Events	<ol style="list-style-type: none"> 1) A query is performed to retrieve their booked events from the database 2) The system displays the list 3) The planner may choose to decline an event (Call B0200)
Alternate Flow of events	3) Back button is pressed.
Initial UI design	

see p17

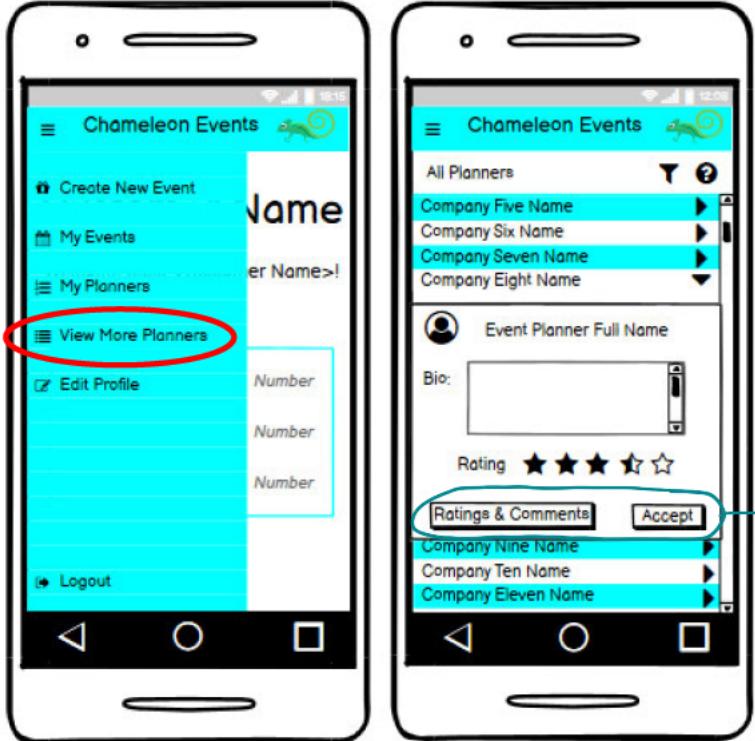
Use Case ID	Use Case Name
C0600	View suggested planners
Primary Business Actors	Other participating Actors
Customer	
Description	Suggested planners are displayed to a customer and the customer has the option of declining or accepting the planner.
Pre-Conditions	
Triggers	The customer selects the view more planners button
Post-Conditions	The application displays the planners
Basic Flow of Events	1) Query is preformed 2) Planners are displayed 3) Customer opens a planner, may choose to accept an event 4) Opts to Accept Planner (Call C0200)
Alternate Flow of events	4) Back button is pressed. what about pressing Ratings + Comments?
Initial UI design	 <p>Initial UI design</p> <p>Filter button to search planners from certain ratings/certain category. Help button popup with information on how to navigate screen.</p> <p>see p17</p>

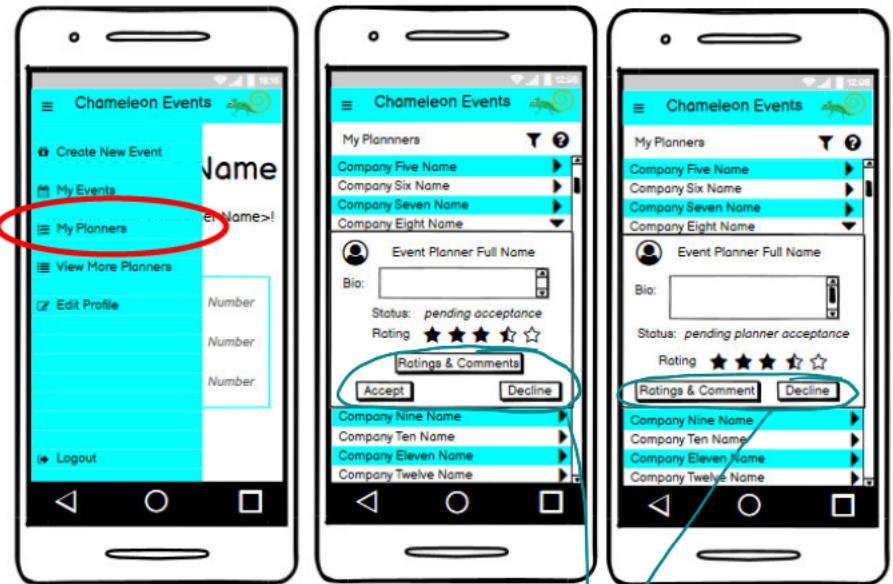
Use Case ID	Use Case Name
C0900	View planners
Primary Business Actors	Other participating Actors
Customer	
Description	Customer views their accepted planners.
Pre-Conditions	
Triggers	Customer selects the, my planners, button.
Post-Conditions	The application displays the planners.
Basic Flow of Events	1) Query is preformed 2) Planners are displayed 3) Opts to decline a planner (Call C0300)
Alternate Flow of events	3) Back button is pressed. + What about pressing
Initial UI design	<p>Filter button to search planners from certain ratings/certain category/event. Help button popup with information on how to navigate screen.</p>  <p>Ratings & Comments</p> <p>see p17</p>

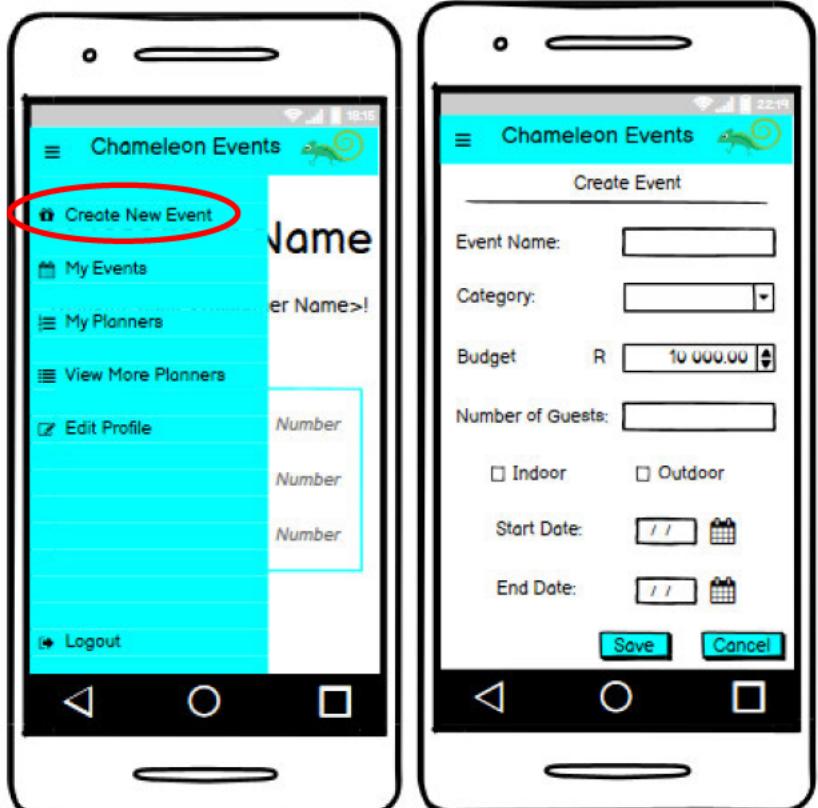
2.3.3 Designed by [REDACTED]

Use Case ID	Use Case Name
C0100	Edit Event
Primary Business Actors	Other participating Actors
Customer	
Description	A customer may edit their event in the case of a date change etc. An event cannot be edited once it has been booked. If the event needs to postpone, the customer should contact the planner or make a new event.
Pre-Conditions	Customer must have created an event be viewing the event.
Triggers	Customer selects Edit button, from C0800
Post-Conditions	Changes are saved in the database.
Basic Flow of Events	<p>1) The event details are displayed. <i>Fields become enabled to edit</i></p> <p>2) Customer edits details.</p> <p>3) Customer chose save event</p> <p>4) Event details are updated in the database</p>
Alternate Flow of events	<p>4) Customer selects Cancel</p> <p>5) The customer returns to the list of events in C0800</p>
Initial UI design	<p>Search button to search for specific event name certain times/certain category/certain budget/certain number of guests.</p> <p>Help button popup with information on how to navigate screen.</p> 

see p 17

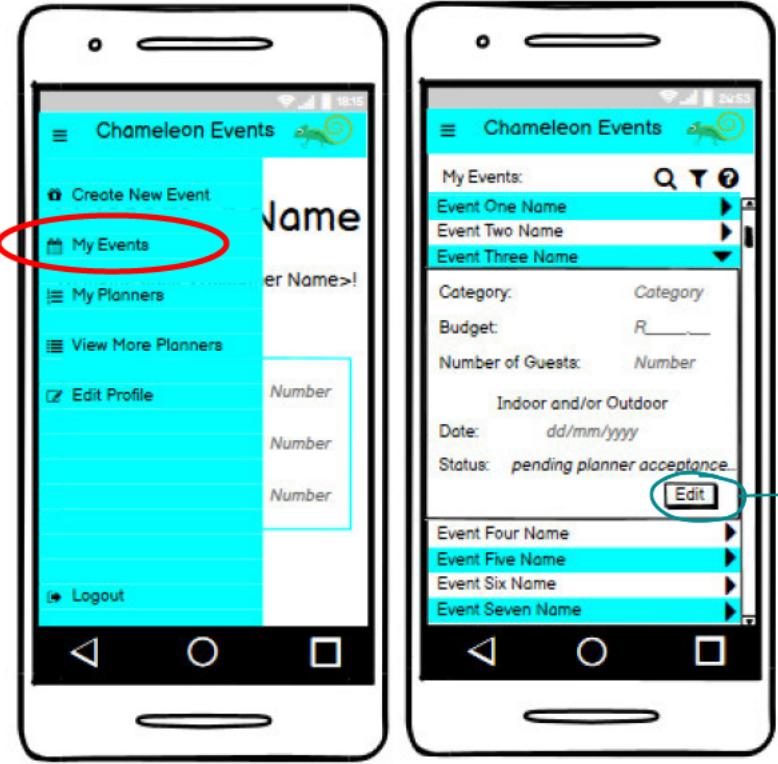
Use Case ID	Use Case Name
C0200	Accept Planner
Primary Business Actors	Other participating Actors
Customer	
Description	A user may accept a planner for a specific event and if the planner has also accepted the event, then the event is booked.
Pre-Conditions	User has created an event and is viewing suggested planners.
Triggers	The user selects Accept button, from C0600.
Post-Conditions	The event is sent to the Planner to be accepted or declined.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Planner is accepted by the customer for the specific event. 2) A check is performed to see if planner has accepted event 3) If true, B0700 is called.
Alternate Flow of events	 <p>see p17</p>
Initial UI design	

Use Case ID	Use Case Name	
C0300	Decline Planner	
Primary Business Actors		Other participating Actors
Customer		
Description	A user can choose to decline a Planner and if the Planner has accepted the event, then a notification is sent to the Planner.	
Pre-Conditions	User has created an event and is viewing suggested planners.	
Triggers	User decides to decline a planner in C0900	
Post-Conditions	The Planner is declined, and the Planner is notified	
Basic Flow of Events	1) The Planner is removed from the suggested planners. 2) The Event is removed from the planner's suggested events. 3) Notification is sent to the Planner to notify them that the customer declined them.	
Alternate Flow of events		
Initial UI design	 <p>see p17</p>	

Use Case ID	Use Case Name
C0500	Create Event
Primary Business Actors	Other participating Actors
Customer	
Description	Customer can create an event for which they require a planner.
Pre-Conditions	
Triggers	Customer selects to Create New Event.
Post-Conditions	An event is created and can be used for planner event suggestions.
Basic Flow of Events	<ol style="list-style-type: none"> 1) Customer fills in information needed to create an event. 2) Customer selects save. 3) The event is added to the database.
Alternate Flow of events	<ol style="list-style-type: none"> 2) Customer selects cancel 3) Customer return to their profile.
Initial UI design	

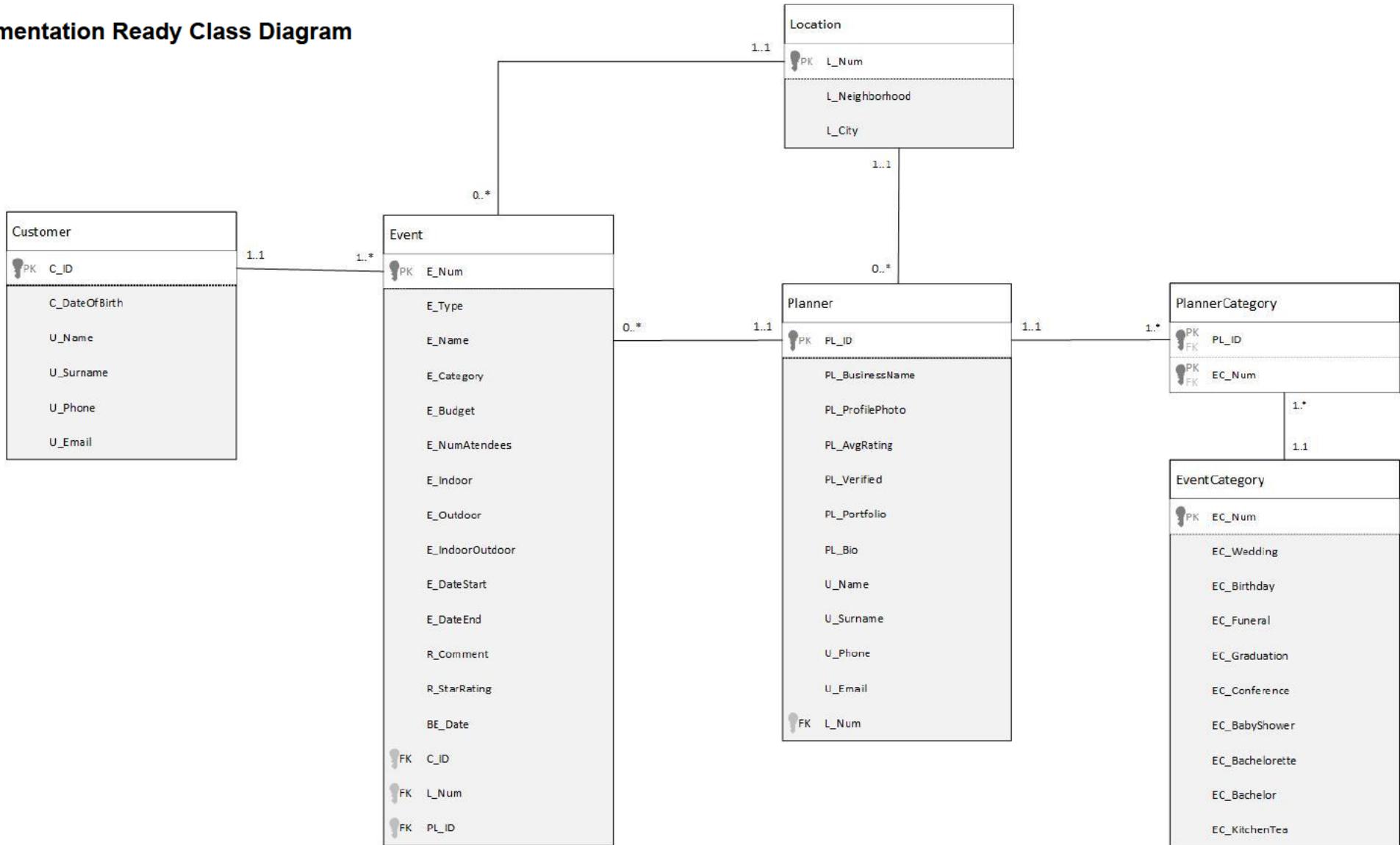
→ 1. Display empty Create Event Form

Use Case ID	Use Case Name	
C0700	View Planner Ratings	
Primary Business Actors		Other participating Actors
Customer		
Description	Customer can view all planners 5-star ratings and comments given by previous customers.	
Pre-Conditions	Customer must have created an event.	
Triggers	Customer selects to view a planners rating, from C0900 or C0600	
Post-Conditions	The Planner's ratings and comments are displayed.	
Basic Flow of Events	1) A query is performed to retrieve the specific planner's ratings and comments. 2) The ratings and comments are displayed in a list view.	
Alternate Flow of events	2) Back button is pressed	
Initial UI design	 <p>The image shows a mobile phone displaying a user interface for "Chameleon Events". The screen has a teal header with the title "Chameleon Events" and a small green lizard icon. Below the header, there is a section for "Company Name" with a placeholder icon. The main content area displays three customer reviews, each consisting of a name, a rating (4 stars), and a comment input field. The reviews are: "Customer One Name" (Rating: ★★★★☆), "Customer Two Name" (Rating: ★★★★☆), and "Customer Three Name" (Rating: ★★★★☆). The phone has a black navigation bar at the bottom with icons for back, home, and recent apps.</p>	

Use Case ID	Use Case Name	
C0800	View Events	
Primary Business Actors		Other participating Actors
Customer		
Description	Customer can view the even they have created and have the option to edit details.	
Pre-Conditions	Must have already created an event.	
Triggers	Customer chose to view their events.	
Post-Conditions	Event is displayed by the system.	
Basic Flow of Events	1) Query is performed to retrieve the event details. 2) The event details are then displayed. 3) Customer selects Edit (Call C0100)	
Alternate Flow of events	3) Back button is pressed.	
Initial UI design		

3 DATA REQUIREMENTS

Implementation Ready Class Diagram



Entity	Entity Attributes
Customer	C_ID C_DateOfBirth (used to check if a customer is over 18) U_Name U_Surname U_Phone U_Email
Planner	PL_ID PL_BusinessName PL_ProfilePhoto PL_AvgRating (derived attribute) PL_Verified (Boolean value, used to check if a planner is verified) PL_Portfolio PL_Bio U_Name U_Surname U_Phone U_Email L_Num
Event (An event can be a normal event, a booked event, or a finished event. An event can have a rating only after it has finished, and an event can have a planner only after it has been booked. E_DateStart and E_DateEnd Is the range in which a customer would like the event to be (before the event has been booked))	E_Num E_Type (Subtype discriminator) E_Name E_Category E_Budget E_NymAttendees E_Indoor E_Outdoor E_IndoorOutdoor E_Datesstart E_DatesEnd R_StarRating R_Comment BE_Date (The finalized date for the event) C_ID L_Num PL_ID
Location	L_Num L_Neighborhood L_City
EventCategory (Attributes are all Boolean values which will be used to check if an event can be suggested to a planner)	EC_Wedding EC_Birthday EC_Funeral EC_Graduation EC_Conference EC_BabyShower EC_Bachelorette EC_Bachelor EC_KitchenTea
PlannerCategory	PL_ID EC_Num

**Department of Computing
Sciences**
**Plagiarism Declaration -
Elaboration Document**

Module code: WRRV301

We,

Contribution % [Total = 100]
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hereby declare that this submission is our own, original work.

We further declare that:

1. No part of this submission has been copied from another person/group,
2. We did not work with another person/group on this submission,
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We understand that, should this declaration be false, we may be charged with academic misconduct and/or plagiarism and that a disciplinary hearing may be brought against us.

