



# PlusOne

Deliverable 1

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## Project Context

The world has come to a social standstill over the last year during the pandemic, driving people into their homes and increasing physical isolation. A recent study in Australia stated that more than 50% of people reported feeling lonely during the pandemic. Government closures and restrictions on all bars, clubs, cafes, restaurants and entertainment venues have led to major economic downturn for all these industries; with revenue falling for pubs, bars and nightclubs by 18.1% in 2019-20, with a further decline of 16.7% in 2020-21. Restaurants were hit hard with a slump of 15%, with the hardest hit industry being theatres only achieving 25% of their 2019 revenues in 2020.

Thankfully, we are reaching a visible end to the pandemic in Australia with normality slowly coming to prominence over recent months. People are becoming increasingly comfortable having social gatherings and events. New trends have started to emerge as a result of the government lifting restrictions, with one of them being the popularity of the “mystery experience”. Qantas have developed a new “mystery flight” program to encourage Australians to travel interstate for an adventure in a surprise location. The popularity of this trend is evident, with flights being “sold out in just 15 minutes” (Guardian, 2021).

## Competitor Analysis

Applications such as EventBrite are on a similar line but do not provide users with a full fledged plan for an outing and are mostly used for booking events and do not make reservations in restaurants or book movie tickets. In addition Eventbrite does not organise surprise events according to your liking.

Ticketebo is another event organiser application, however it does not include a chat function, to let you organise events with friends and does not display weather data to recommend you the best event. Similar to Eventbrite, Ticketebo does not organise surprise events according to your liking.

‘I’m In’ is a competitor who is focused on organising events for groups. The application lets you create groups, view upcoming events and existing ones in a list and on a map. However this application does not let you book restaurant, movie or concert events. In addition ‘I’m in’ has in-app advertisements, while our application is completely ad-free (with plans on bringing in revenue through event promotion). Our application also combines the best of two worlds with single event and group event booking.

## Problem Statement

- Current social trends coupled with the effects of the coronavirus pandemic have left people feeling isolated and alone.
- Due to the pandemic fewer people are visiting small businesses, tourist attractions, and entertainment related venues.
- A significant amount of the population have very busy schedules making organising an outing an unnecessary hassle.
- Having to manually take into consideration all of one's friends' interests when planning an outing is cumbersome and sometimes frustrating.
- Having to meticulously organise an outing can make the outing itself less enjoyable and dissuade people from going out in the first place.

To address these problems, we propose an application that automatically develops a fun and exciting recreational agenda for users based on their preferences to make going out with friends and family a simple, enjoyable and exciting experience.

## User Stories

User Story 1	
Feature	Register a User
Story	As a first-time user, So that I can access and use the application, I want to be able to register for a profile account.
Case	Given that I am on the homepage, When I click on the 'Sign Up/Log In' button, Then I am redirected to a signup form where I can create an account via: <ul style="list-style-type: none"><li>· Connecting through my Google account</li><li>· Connecting through Facebook</li><li>· Creating a new account</li></ul>
Priority	1 <sup>st</sup> Priority

User Story 2	
Feature	Creating a plan path and adding constraints

Story	As a user,  So that I can organise an outing with friends,  I want to be able to create a plan path of what is available given certain filters and updated covid restrictions.
Case	Given that I have signed up as a user,  When I click on the 'create plan' button,  Then I am redirected to the 'planner filter' page,  When I fill in various details: <ul style="list-style-type: none"><li>· Event name</li><li>· Start time</li><li>· Budget</li><li>· Type of event (date, drinks, chill, etc.)</li><li>· Number of people, etc.</li></ul> Then I should see various recommendations of plan paths with the ability to customize these recommendations,  And be able to finalise a plan path.
Priority	1 <sup>st</sup> Priority

<b>User Story 3</b>	
Feature	Editing the plan path after it has been created

Story	As a user,  So that I can tweak a few changes in the plan path provided by the application,  I want to be able to edit and update the plan path generated.
Case	Given that I am on the specific plan paths page,  When I click on the 'Edit path' button,  Then I can edit segments of the plan to suit my preferences.
Priority	1st Priority

User Story 4	
Feature	Editing filters to change the recommended plan generated
Story	As a user,  So that if details change about the outing I've organised,  I want to be able to edit input filters to generate a completely new plan path.
Case	Given that I am on the specific plan path page,  When I click on the 'filter' button,  Then I can edit the filters to create completely new path plans.
Priority	2nd Priority

User Story 5	
Feature	Deleting a plan after it has been created
Story	As a user,  So that in case of unforeseen circumstances that the event cannot be carried,  I want to be able to delete the plan.
Case	Given that I am on the 'plan' page,  When I click on the '-' icon next to the event name,  Then a message appears with a message to confirm the deletion of the event,  When I click "Yes, I am sure",  Then The plan is deleted,  And it notifies everyone that the plan has been deleted.
Priority	2 <sup>nd</sup> Priority

User Story 6	
Feature	Automated booking
Story	As a user,  So that I can reserve a placement at a venue,  I want to be able to book through the app without direct interaction with the event page/venue.



Case	Given that I am on the specific plan path page, When I click on the 'book' button, Then a booking for the selected venues is processed.
Priority	2 <sup>nd</sup> Priority

<b>User Story 7</b>	
Feature	View event history
Story	As a user,  So that I can compare details of plans and to look back on plans or maybe rebook a plan,  I want to be able to view past events by order of date (recent to oldest).
Case	Given that I am on the 'plan' dashboard, When I click on the 'past events' button, Then I am redirected to the 'past events' page, And I am able to see the past history of events I attended with details.
Priority	3 <sup>rd</sup> Priority

<b>User Story 8</b>	
Feature	Chat system

Story	As a user,  So that I can organise and coordinate events without needing to access multiple social medias,  I want to be able to chat with them within the app.
Case	Given that I have signed up as a user,  And my friend has also signed up,  When I click on the 'Chat' button,  Then I am redirected to the 'Chat' page,  When I click on the 'Add Friends' button,  Then I am able to add a user via phone number, account name or email.
Priority	2 <sup>nd</sup> Priority

User Story 9	
Feature	Notify group members
Story	As a group member,  So that I can be informed of event time, location changes or any updates within the group,  I want to be notified of updates through notifications on my phone.

Case	Given that I am a member of the group, When any changes or updates occur within a group or event, Then I receive a notification of the update so I can be informed.
Priority	2nd Priority

<b>User Story 10</b>	
Feature	Updating profile details/preferences
Story	As a user,  So that friends can see what my interests and preferences are through my account,  I want to be able to add/update my personal preferences within my profile.
Case	Given that I am on the 'Home' page, When I click on the 'profile' button/display picture, Then a dropdown menu appears, When I select 'Edit Profile' from the dropdown, Then I am redirected to the 'My profile' page, And I can then update my details and preferences.
Priority	2nd priority

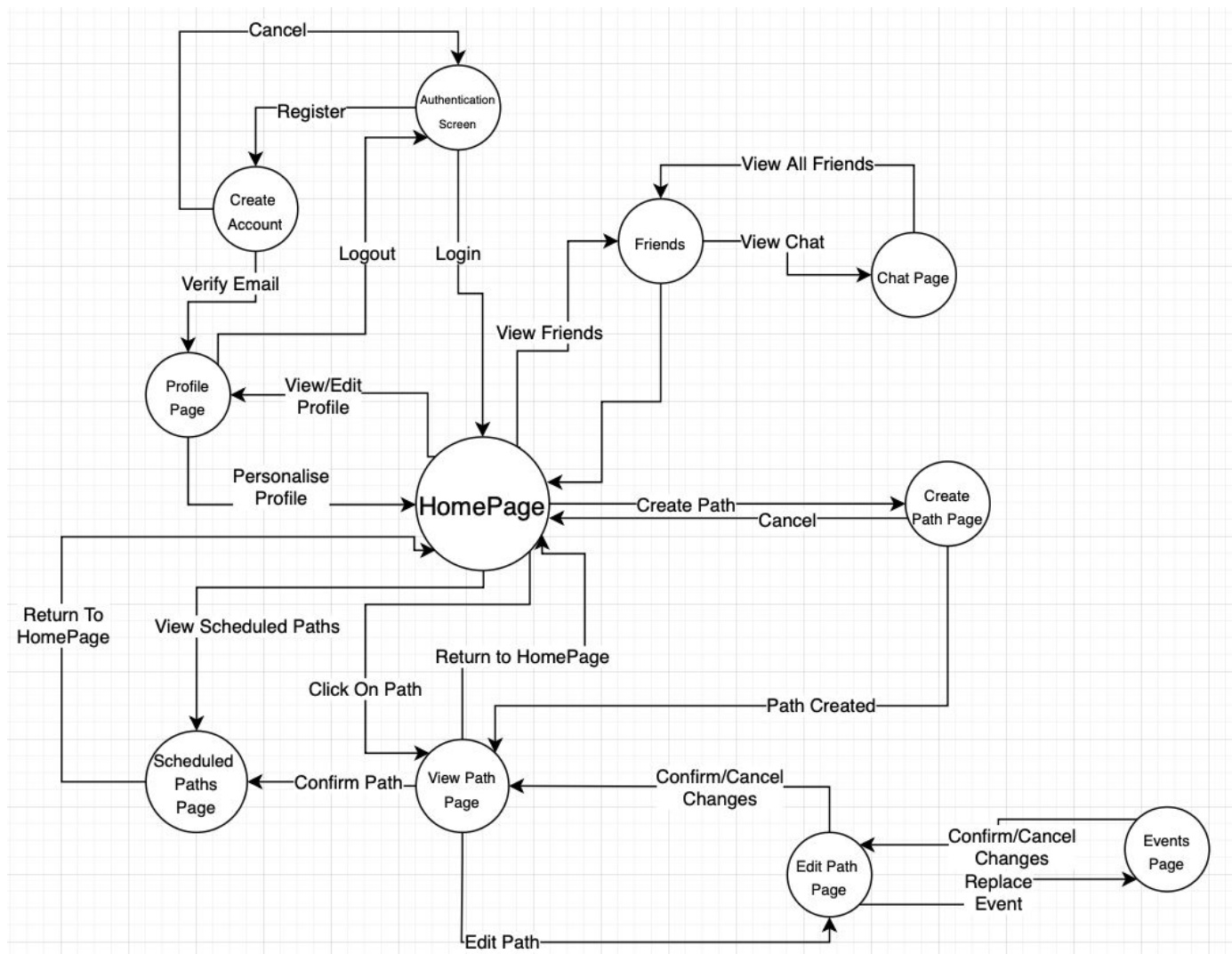
<b>User Story 11</b>	
Feature	Notify plan path
Story	<p>As a user,</p> <p>So that I can know when to leave one venue/activity on time to make it to the next one,</p> <p>I want to be sent notifications to my phone to alert me that I need to be at the next venue soon</p>
Case	<p>Given that I have already created a plan path,</p> <p>And the event is currently underway,</p> <p>When one event in the plan path is nearly finished,</p> <p>Then a notification will be sent to the phone to alert the user. (This will be the case for both normal and mystery plans)</p>
Priority	2nd Priority

<b>User Story 12</b>	
Feature	Accessing public transport prices and timetable
Story	<p>As a user,</p> <p>So that I can travel hassle-free to the event,</p> <p>I want to be notified with public transport prices and timetables when it is time to leave for the event.</p>
Case	Given that I have already created a plan path,

	<p>When it is time to leave for the event,</p> <p>Then a notification will be sent to the phone to alert the user with both cost and time estimates for public transport. (This will be the case for both normal and mystery plans)</p>
Priority	2nd Priority

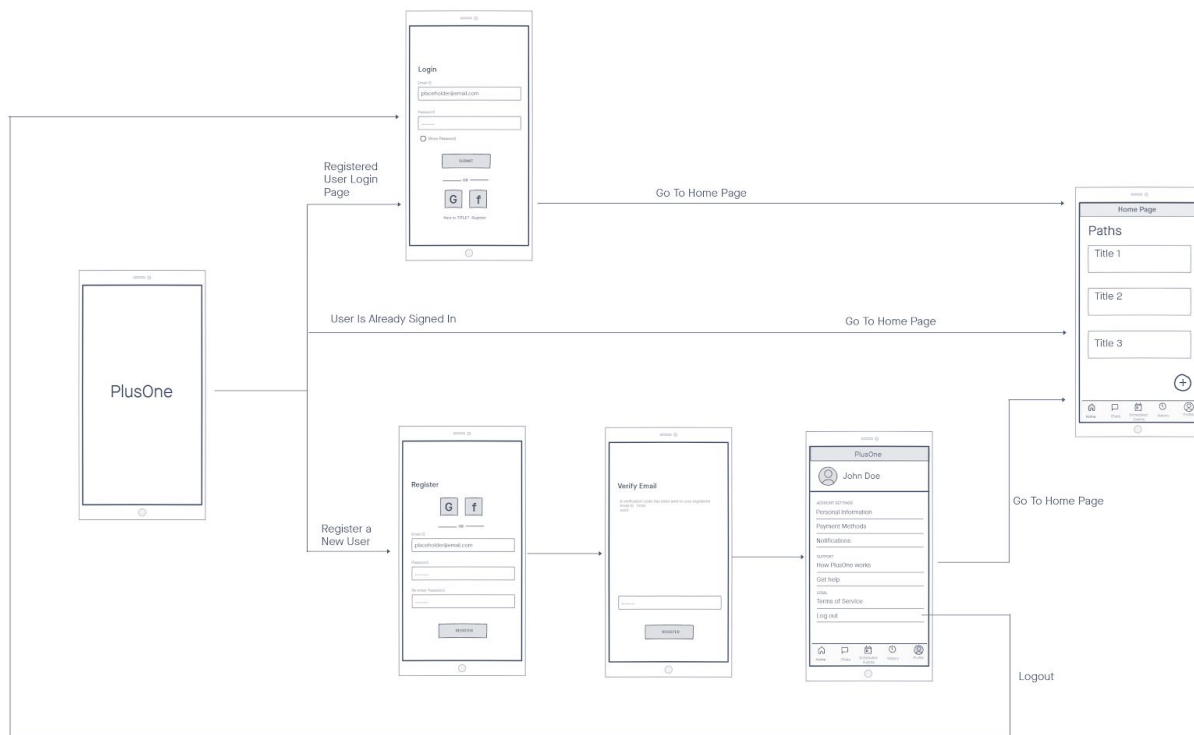
<b>User Story 13</b>	
Feature	Getting Uber prices and timetable
Story	<p>As a user,</p> <p>So that I can travel hassle-free to the event,</p> <p>I want to be notified with Uber prices and timetables when it is time to leave for the event.</p>
Case	<p>Given that I have already created a plan path,</p> <p>When it is time to leave for the event,</p> <p>Then a notification will be sent to the phone to alert the user with both cost and time estimates for Uber. (This will be the case for both normal and mystery plans).</p> <p>When I click on the type of Uber I want,</p> <p>Then I get redirected to the Uber app.</p>
Priority	2nd Priority

## State Diagram



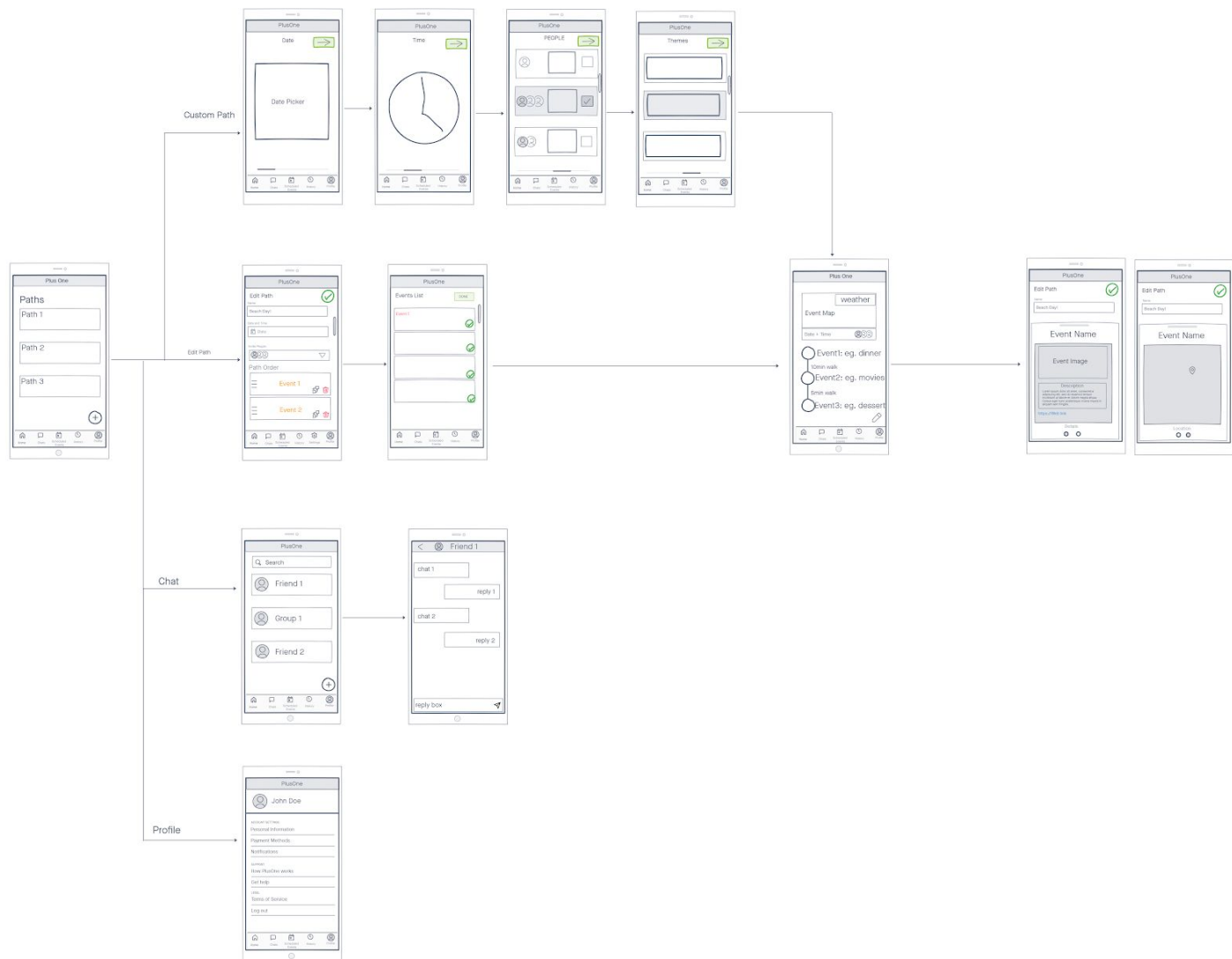
## Low Fidelity Prototype<sup>1</sup>

APP START/AUTHENTICATION FLOW:



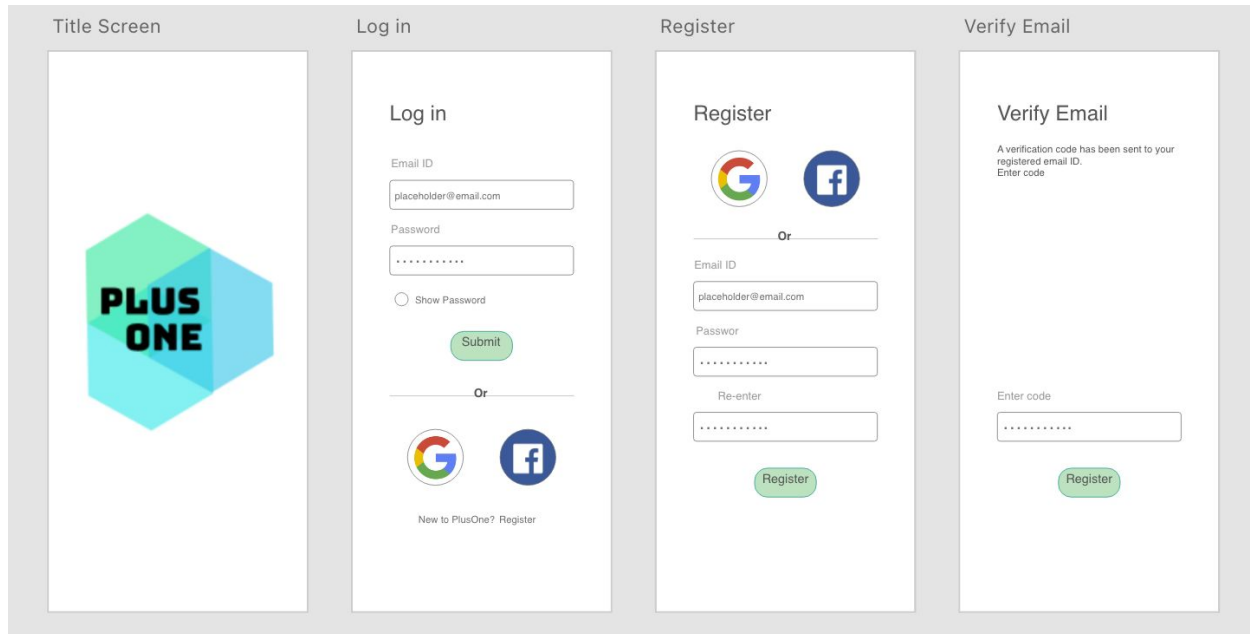
<sup>1</sup> To view diagrams in more detail, zoom into document, or view it on Invision freehand : <https://projects.invisionapp.com/freehand/document/2rtjDsZL>

## GENERAL USAGE FLOW:





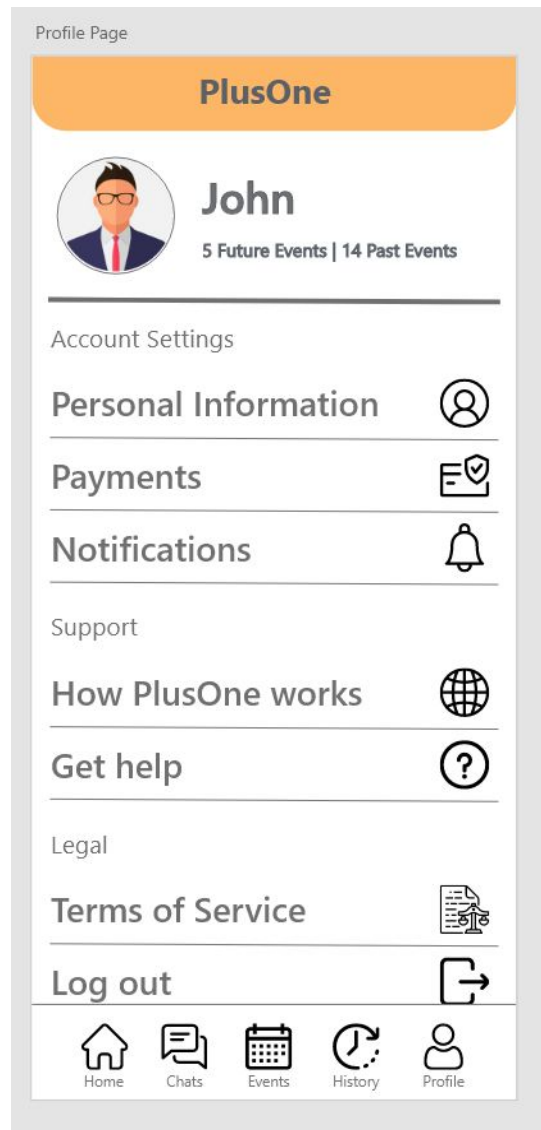
## High Fidelity Prototype<sup>2</sup>



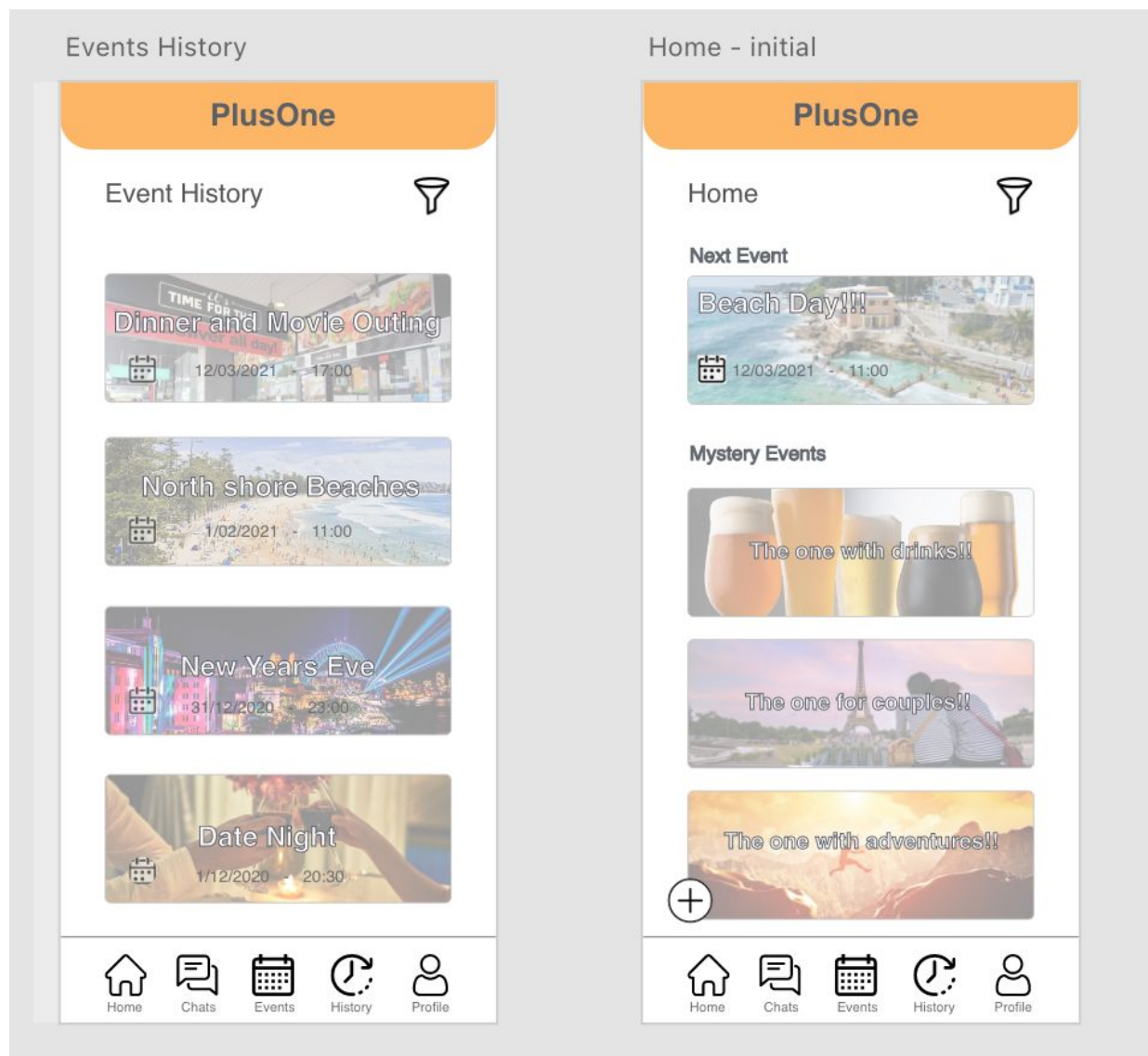
The Title Screen is displayed to the user after downloading the app. After which they are prompted with the login screen.

The user can sign up with Google, Facebook or create their own PlusOne account. Once their email is verified, they continue to the Home Page.

<sup>2</sup> An interactive version of this prototype is available at this link (Please download the file): [https://github.com/farisjalal/SENG2021\\_random\\_group/blob/main/SourceCode\\_and\\_Documentation/Prototypes/high\\_fidelity/random\\_group\\_hifi\\_prototype.xd](https://github.com/farisjalal/SENG2021_random_group/blob/main/SourceCode_and_Documentation/Prototypes/high_fidelity/random_group_hifi_prototype.xd)  
Adobe XD is required to view and interact with the prototype.

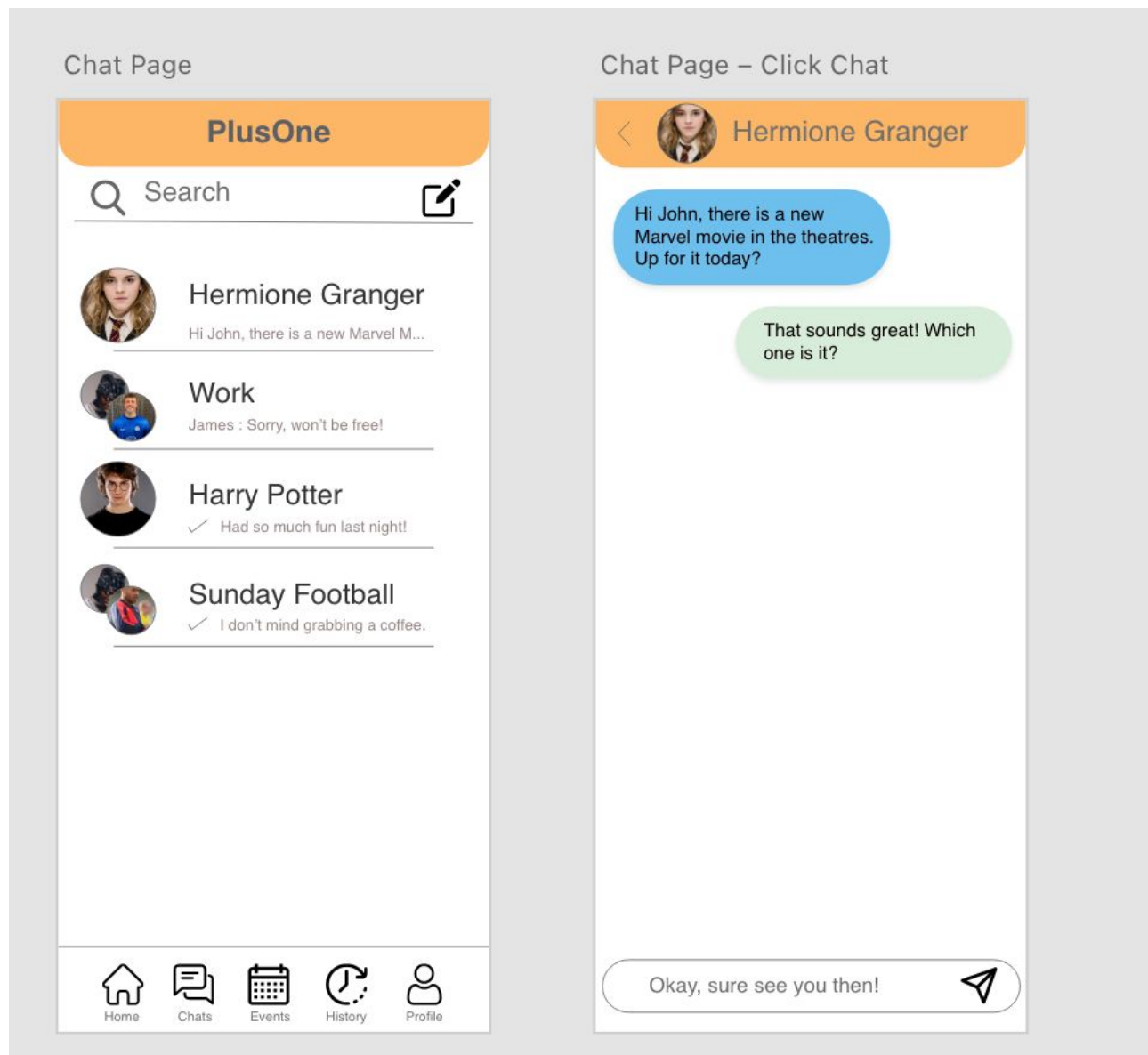


The first screen represents the profile page of the user, all personal information and notifications can be viewed and edited via this page.

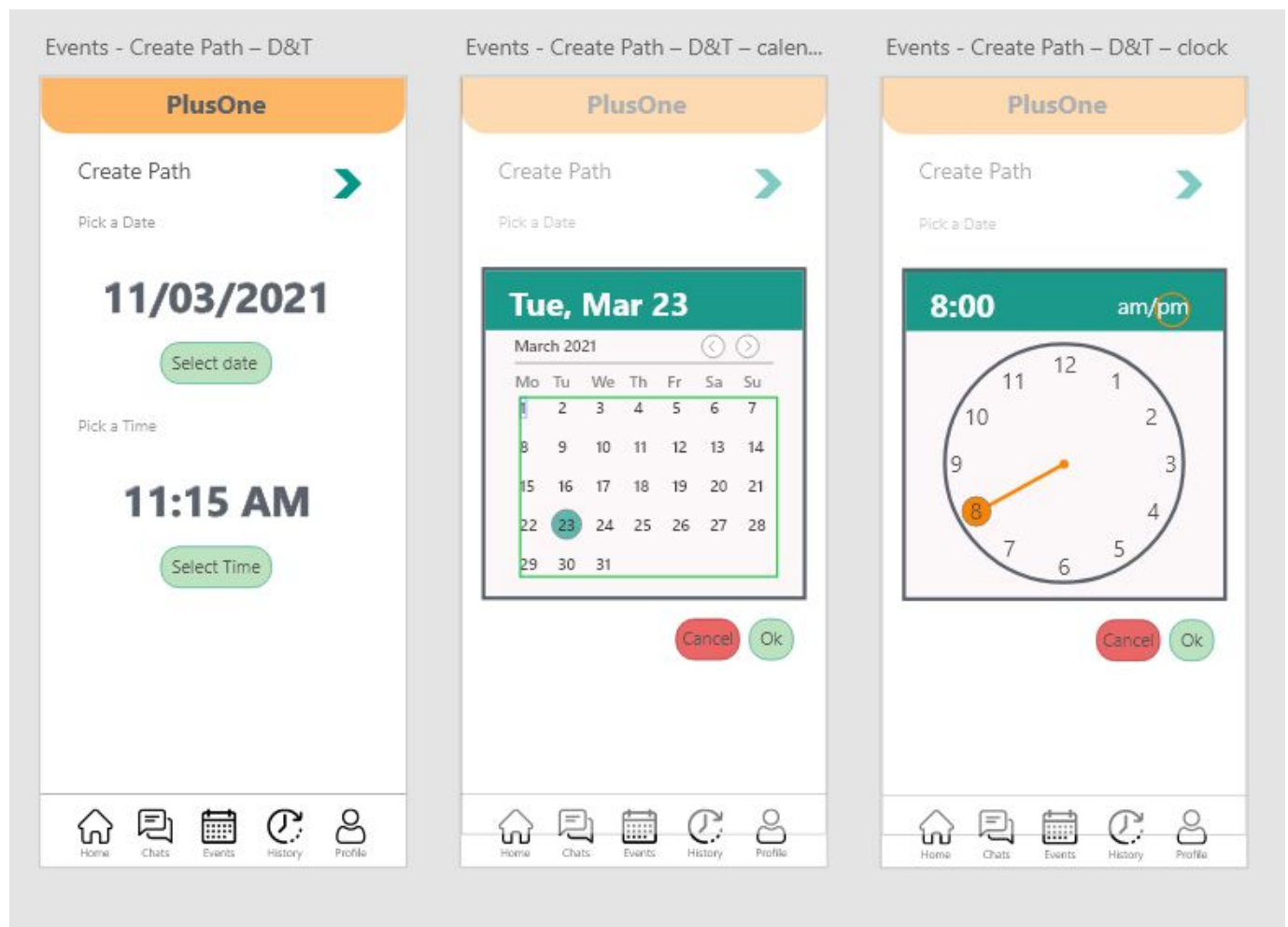


Via the menu bar all these screens can be accessed. A history of all the events the user visited will be displayed on the Event History page.

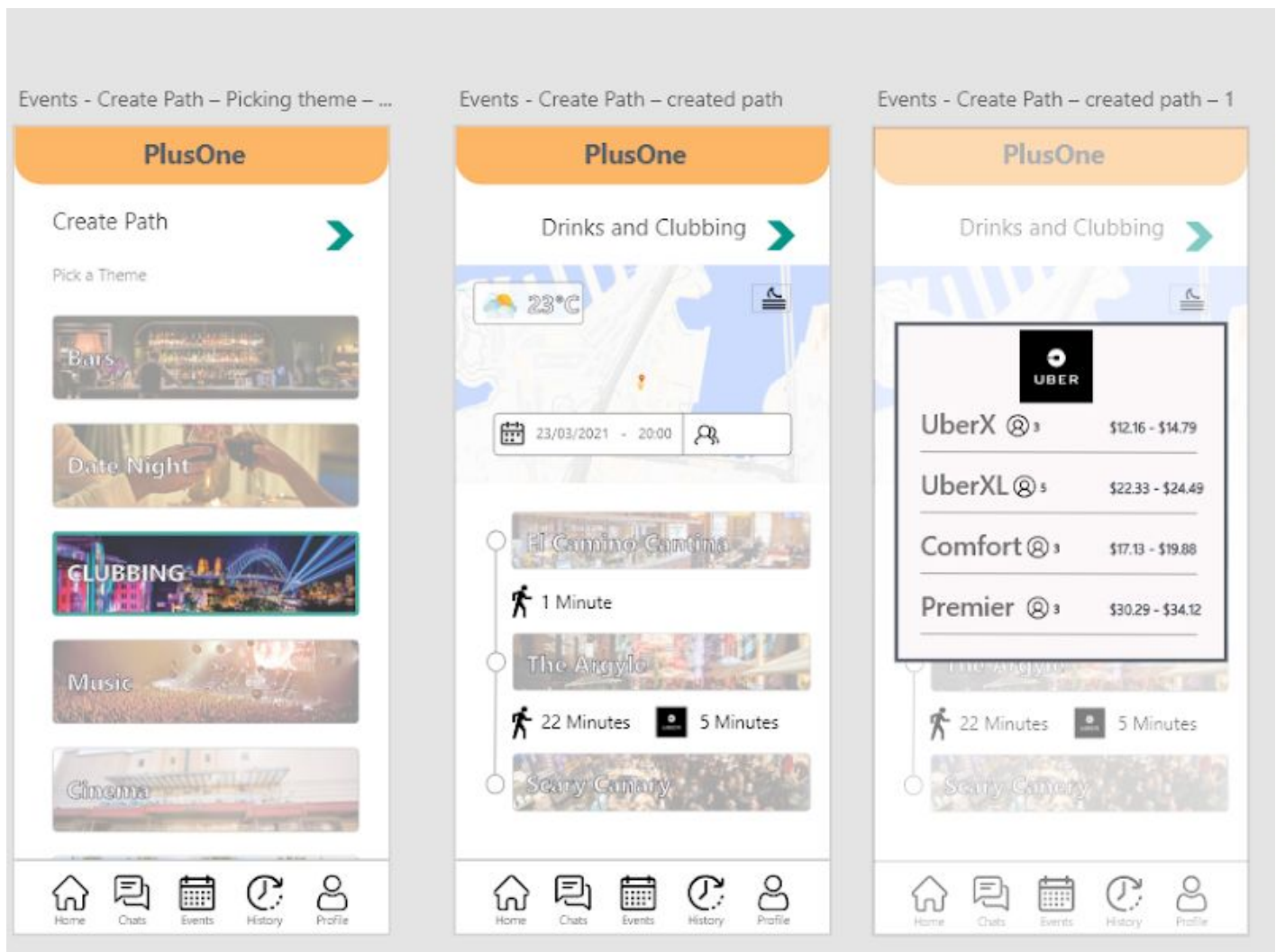
The Homepage provides the user with new and upcoming events and the possibility to make a new custom or mystery event.



The Chat Page allows the user to communicate with friends or groups to schedule events. When clicked on a chat, the application displays all of the chats with that person or group and allows you to send messages.

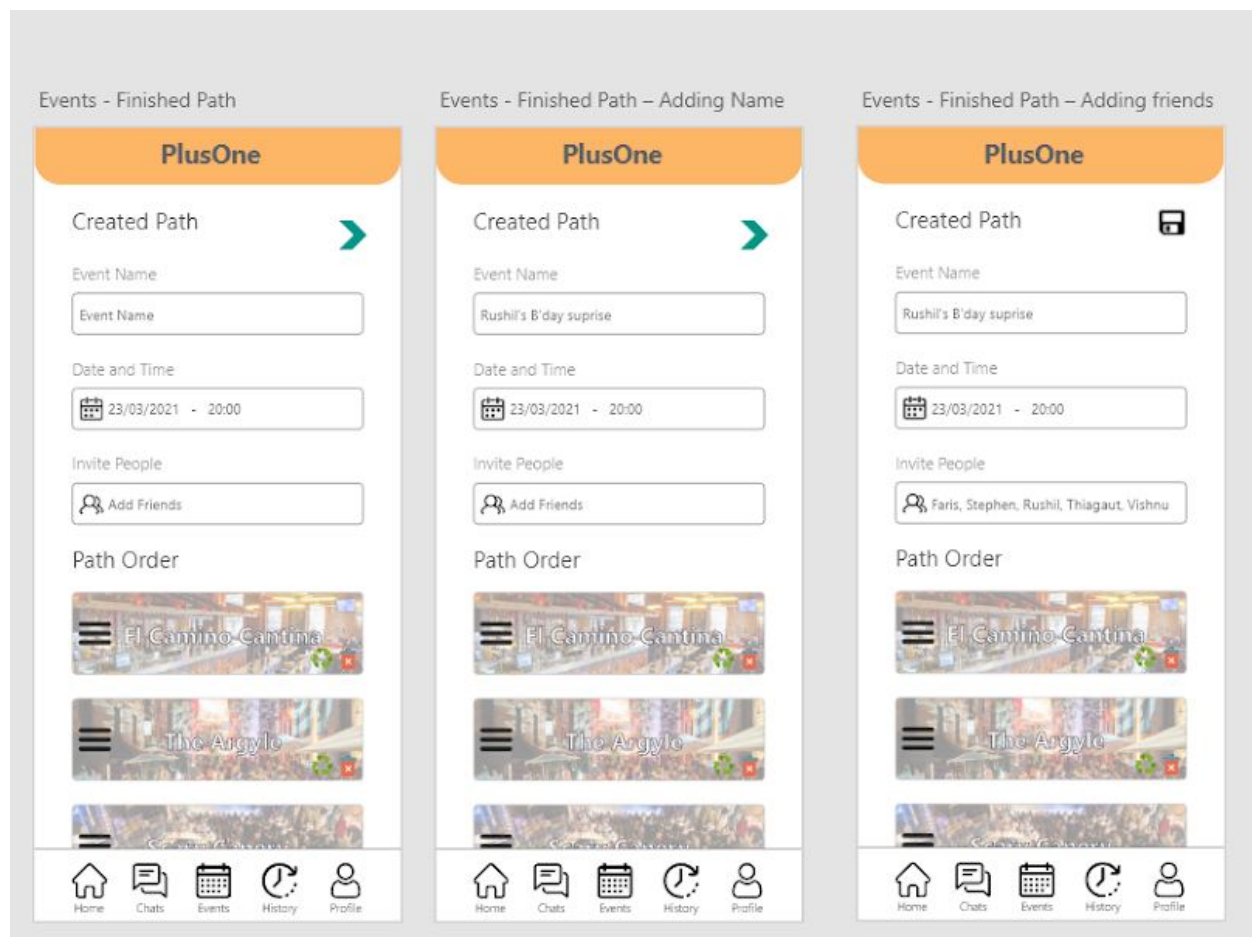


To create the event, the user begins by choosing a date and time in the future.



To generate the event list, the user chooses a theme for the event or generates a mystery path. After which a path of different locations are displayed in order as a plan for the event.

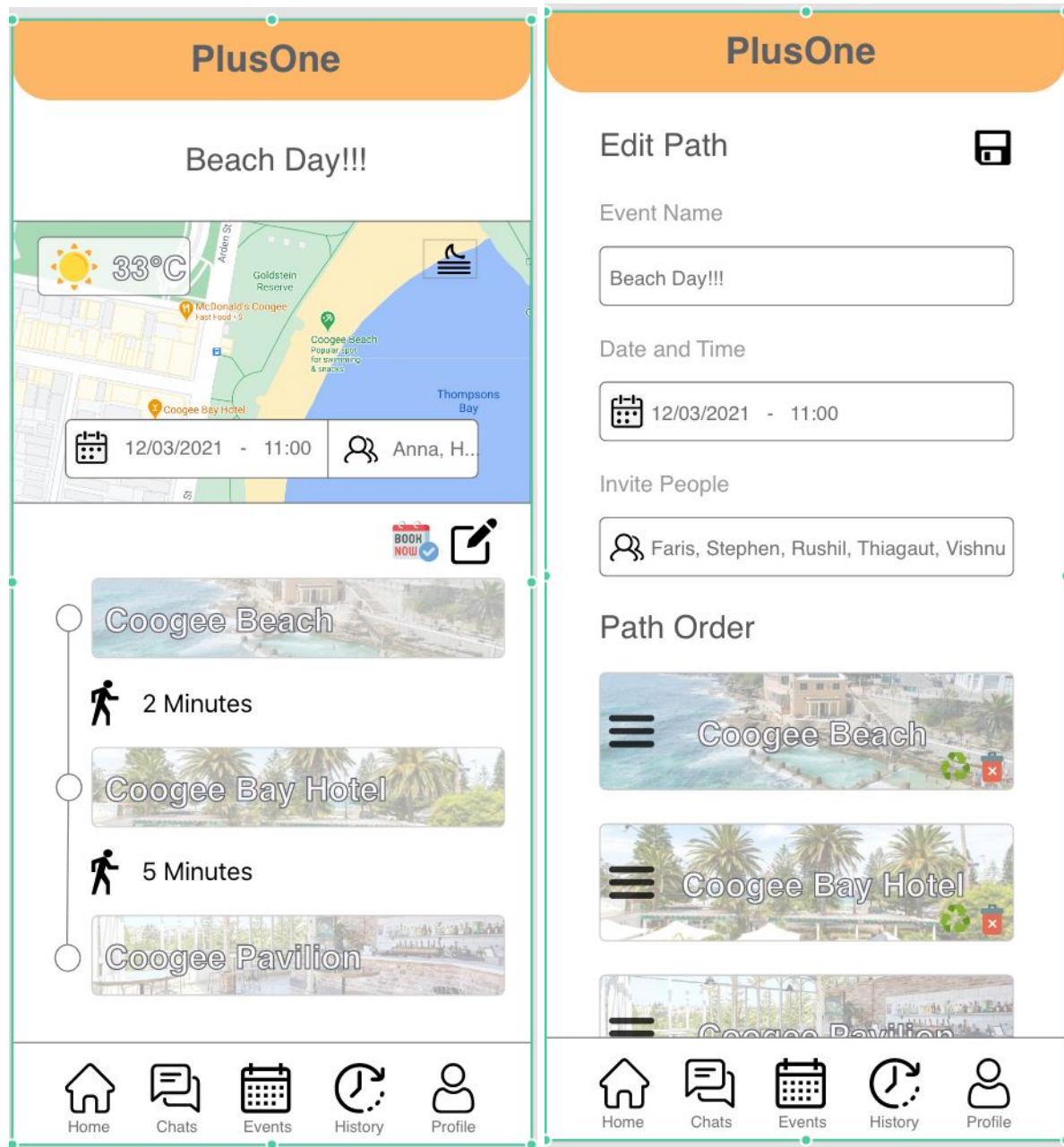
On the day of the event, when it is time to leave a notification gets sent to the user's phone advising them to leave and provide options for Uber rides to the event with price estimates.



To finish creating the path, the user will be displayed with a booking screen. On this screen they will fill in the name, date and time of the event and can send invites to people. Once the path is confirmed the user is redirected to the View Path screen where they can preview the path that was just created.



To edit a Path, the user clicks on the edit icon from the View Path page. This action redirects them to the Edit Path Page





From the edit path Page, the user can change the attendees to the event, the event order and remove, add or replace events from the Events List with existing events in the Path.



The details of each event in a path can be viewed by clicking on the path from the View Path Page. The event details and map popup as a dismissable card.

