



## **D2.3Families\_Share Platform version 2**

### **WP2 – Platform Development**

30-11-2019



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## 1 Families\_Share Platform Walkthrough

This chapter presents the final version of Families\_Share platform and demonstrates the steps involved in three end-to-end scenarios, which cover the platform's main functionalities.

1. Register user and provide information
2. Create and join groups
3. Create and join activities

### 1.1 Register and provide information

A new user can access the platform by downloading the Families\_Share app from the Play Store (soon to be published on the App Store**Error! Reference source not found.** as well) and installing it on his/her device.



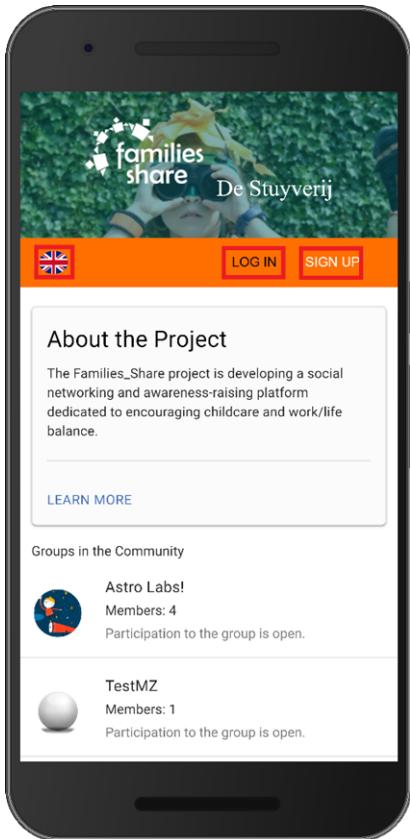


Figure 1 - Landing screen

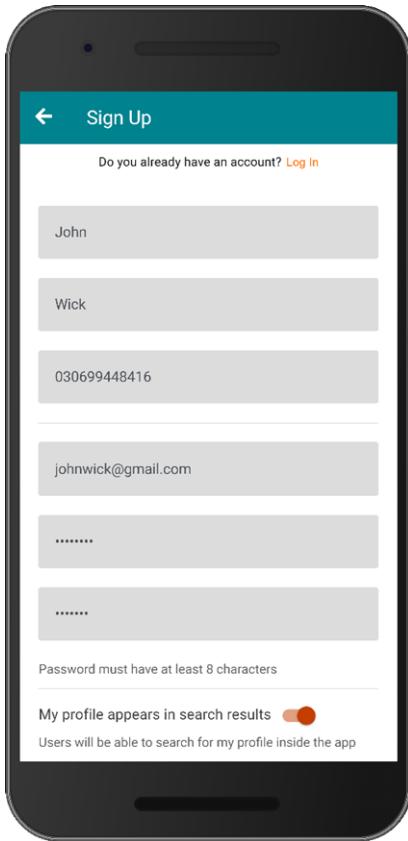


Figure 2 - Sign up screen (a)

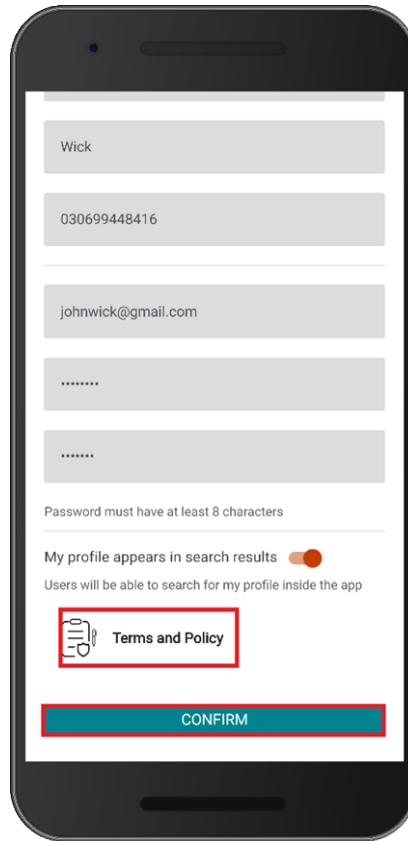


Figure 3 - Sign up screen (b)

### 1.1.1. Register

Figure 1 illustrates the landing screen of the Families Share app, where the user can either log in to an existing account or create a new one. Before proceeding, in case the user wants to change the language of the app he/she can do so by clicking the flag icon at the left side of the navigation bar. Upon clicking Sign Up, the user is redirected to the sign-up screen, where he/she can create a new account (Figure 2, Figure 3). The user is then prompted to provide the following pieces of information:

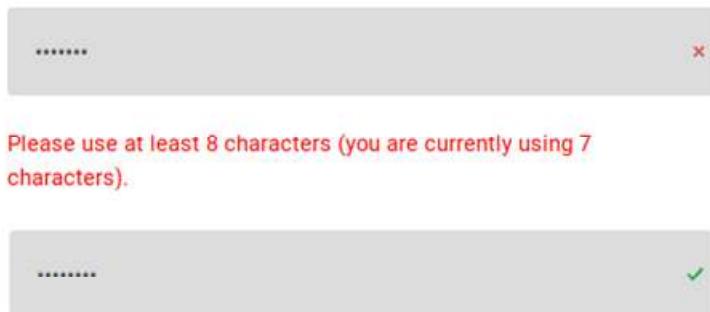
1. Name
2. Surname
3. Phone number (optionally)
4. Email address
5. Password



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The successful completion of the sign-up process involves a series of validation checks (Figure 4) related to the proper input of the requested parameters (e.g. the password must contain at least eight characters,). Upon filling the requested information, the user must then read and accept the terms of use and the privacy policy of the platform and finally confirm the provided information. Figure 5 demonstrates the home screen of the app, where the user is redirected after completing his/her registration.



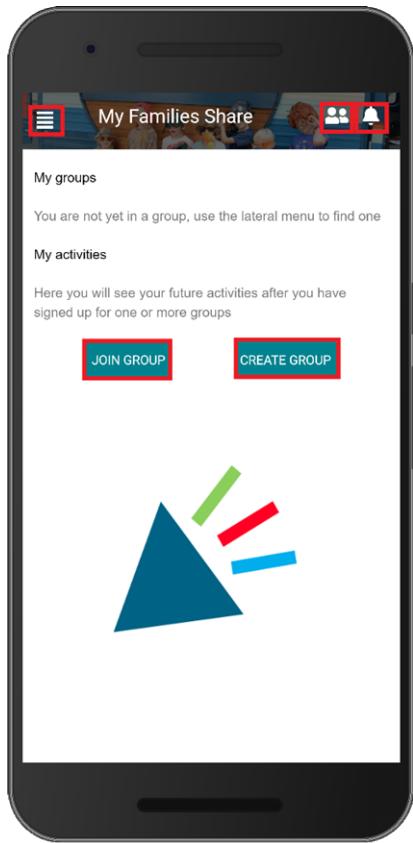
**Figure 4 – Parameters validation**

On the first login, the home screen provides the user with two quick access buttons that enable his/her to either join an existing group or create a new one. By clicking on the two icons at the top right corner (bell and users icon) the user can see his/her notifications and his/her pending group invites. Clicking on the “hamburger” icon brings up the platform’s main menu (Figure 6), which provides easy access to the platform’s core functionalities (e.g. creating a group, searching for a group, visiting the user’s profile or calendar etc.).

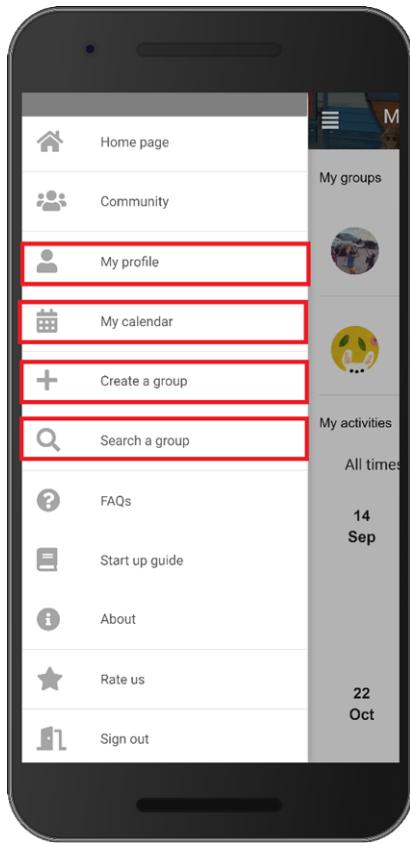
### 1.1.2. Edit profile

Upon clicking the “My profile” button the user is redirected to his/her profile screen, where he/she can edit his/her personal information and add his/her children to the platform (Figure 7). The user’s profile is divided in two smaller sections: a) The info tab, which describes the user’s personal information b) The children tab, that displays the user’s registered children.

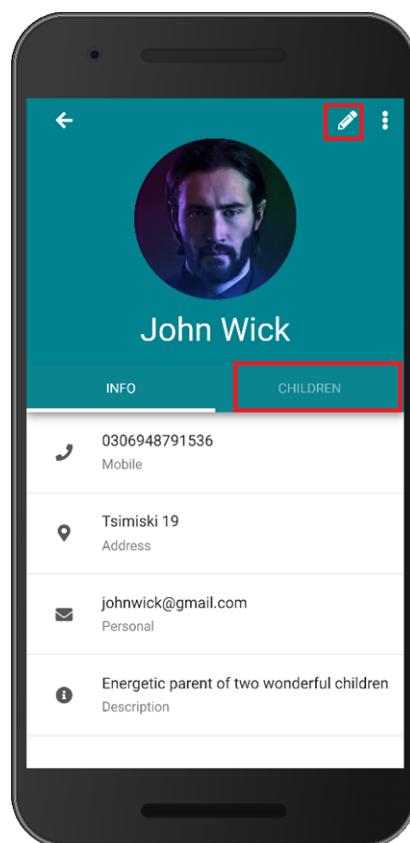




**Figure 5 - Home screen**



**Figure 6 - Main menu**



**Figure 7 - Profile screen**



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By clicking on the pencil icon the user gets redirected to the editing screen of his/her profile (Figure 8) where he/she can add additional information (e.g. location) or edit his/her existing. Furthermore, the user's profile photo can be changed either by uploading a new one from the device's collection of photos or by capturing a new photo with the device's camera. The user also may select how he/she wishes to be contacted by other users of the platform. The platform, by default, uses the user's number to trigger the phone's native call functionality. However, the user may opt in to be contacted via Viber or Whats app. At last the platform provides the user with the option of setting his/her profile visibility. By default, a user's profile is visible, which means that the user appears in other users' search results and can be invited in groups. All changes made to the user's profile can either be discarded or saved by clicking the "arrow" or "check" icon correspondingly.

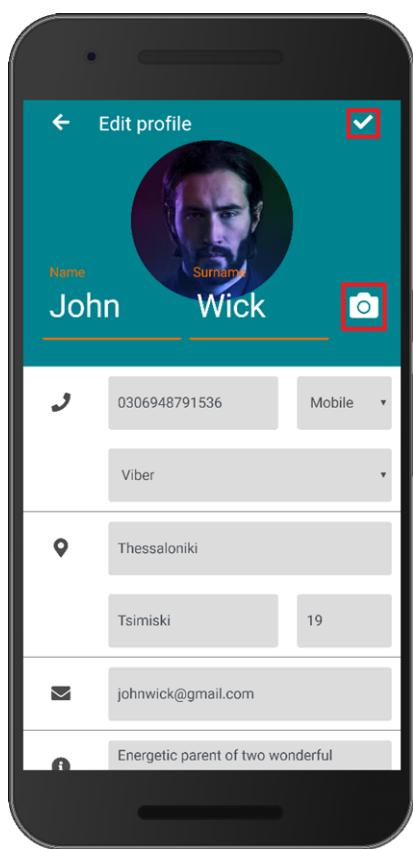


Figure 8 - Edit profile screen

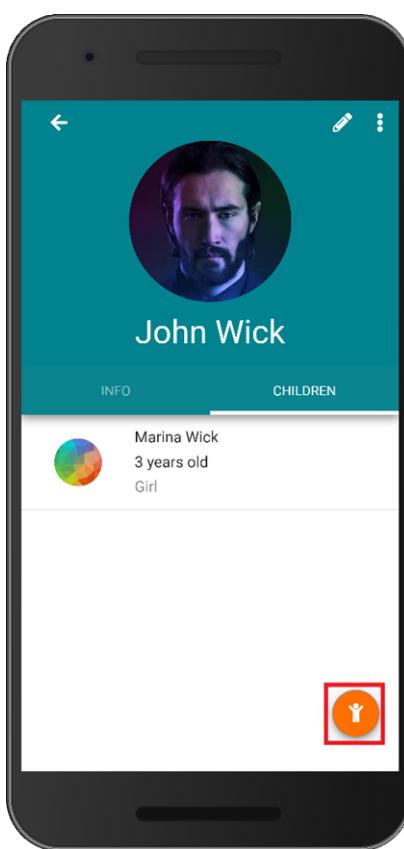


Figure 9 - Children tab

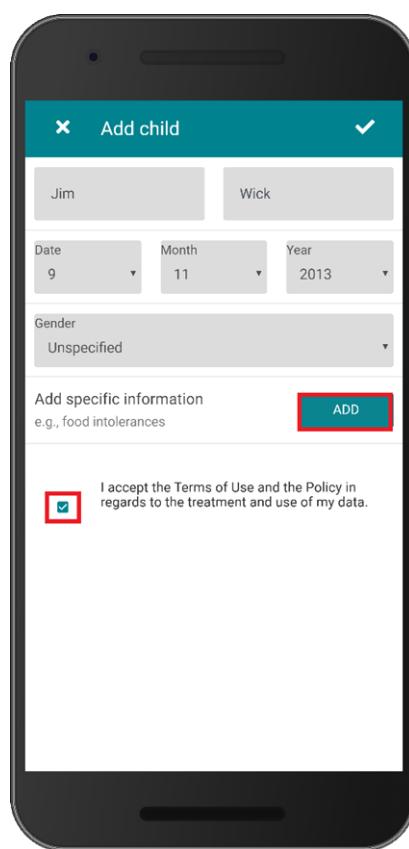


Figure 10 - Add child screen

### 1.1.3. Add a child

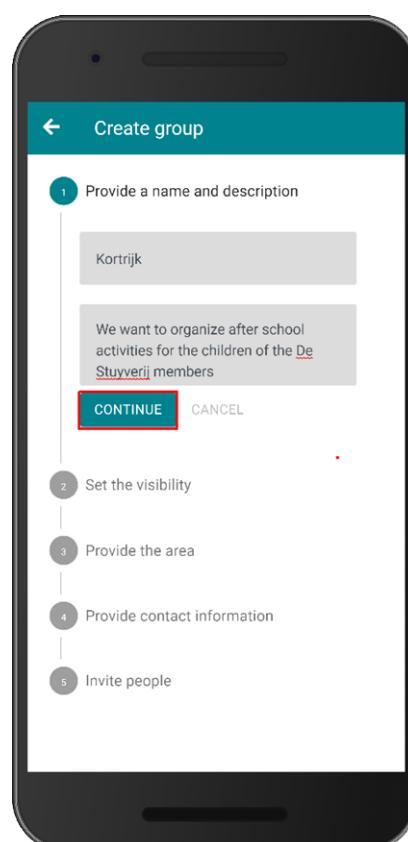
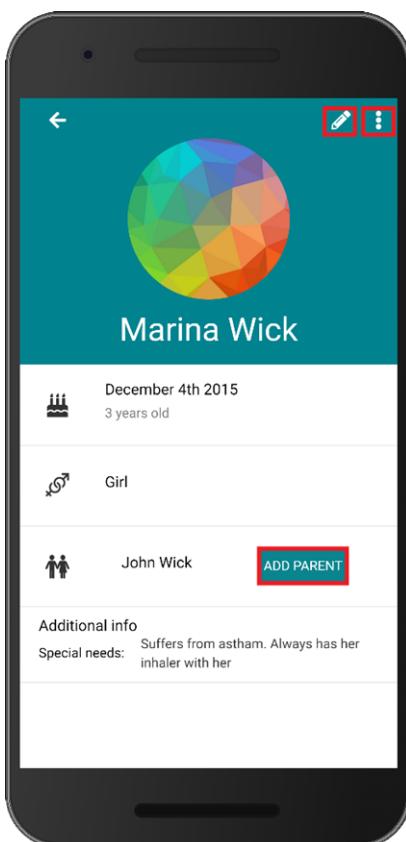
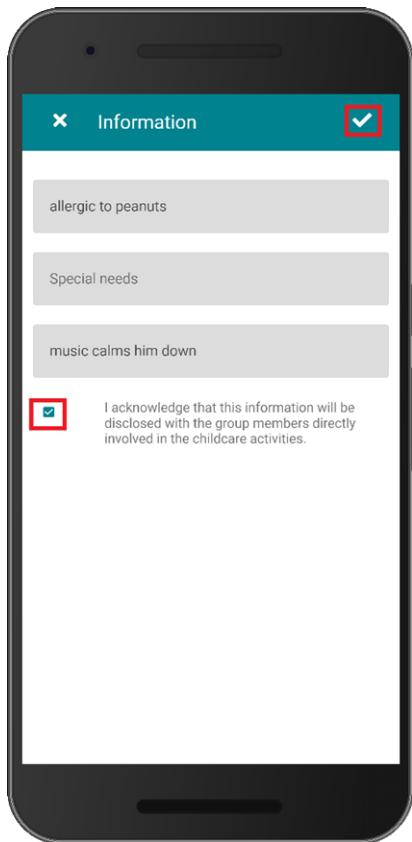
Upon navigation to the children's tab (Figure 9), the user can register his/her children to the platform, an action which is necessary in order for them to participate in group childcare activities.



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By clicking the child icon, the user navigates to the child creation screen (Figure 10), where he/she can fill some basic information regarding his/her child. Furthermore, the user may add additional information (Figure 11) related to any special needsthat exist (e.g. allergies) or other important information that the caregiver needs to know (e.g. a specific toy that calms a child). It is worth mentioning, that sensitive information about the child gets only disclosed to group members that are directly involved in the childcare activity. Upon filling all the information needed and saving the changes the user gets redirected back to the children tab, where the newly added child appears.In case the user ommited some crucial information about the child, he/she can always navigate to the child profile screen (Figure 12), by clicking on the child. There, he/she can perform actions such as editing existing or adding new information and inviting another user to register as parent or guardian of the child inside the platform.



**Figure 11 - Additional info screen**

**Figure 12 - Child profile screen**

**Figure 13- Create group step 1**

## 1.2 Create and join groups

Following, the registration of his/her children to the platform, the user is now ready to create his/her own group or join an existing one and start participating in activities. As mentioned above, these two

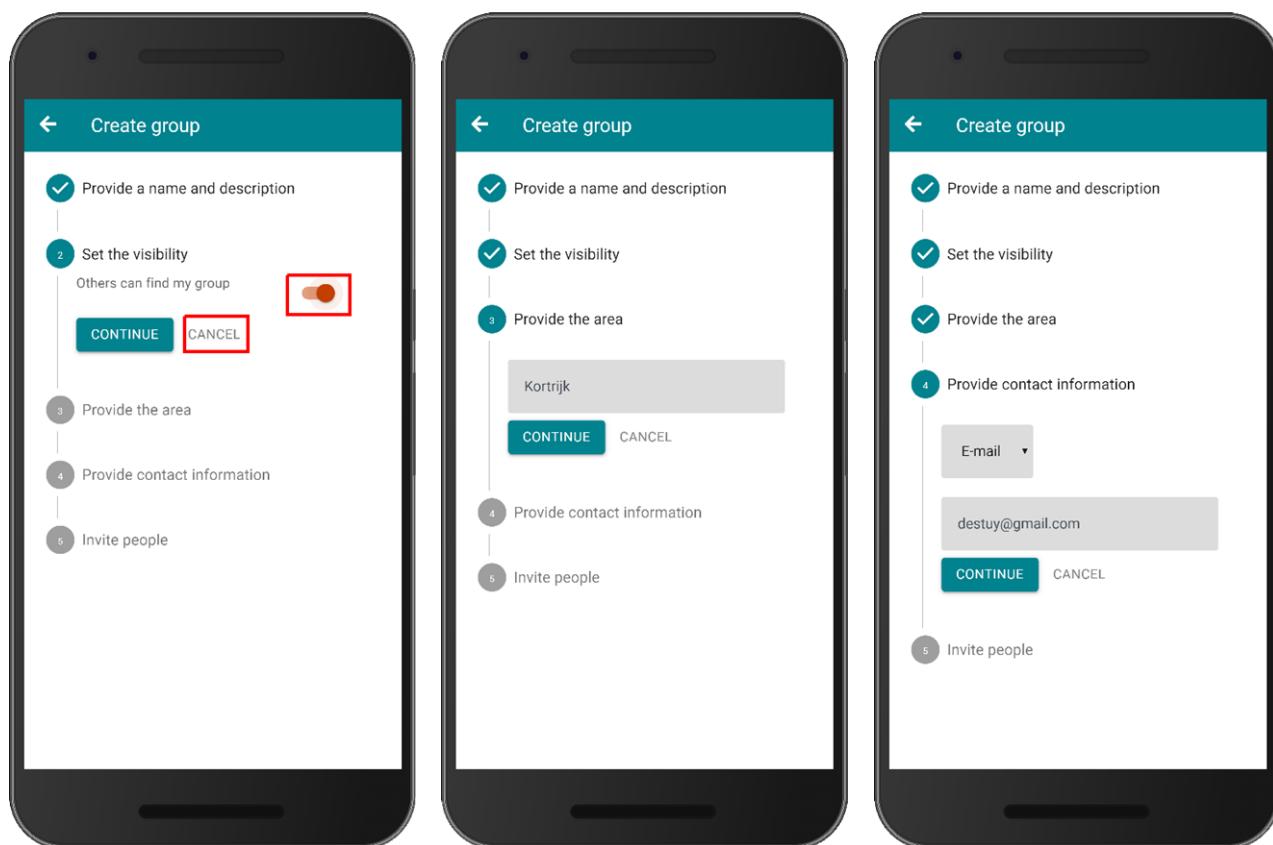




actions become available to the user either by bringing up the main menu of the platform (Figure 6) or by the two quick access buttons.

### 1.2.1. Create a new group

Upon clicking the “Create group” button the user is redirected to the group creation screen. Figure 13, Figure 14, Figure 15, Figure 16 and Figure 17 illustrate the steps that the users must follow in order to create a group. In step 1 the user is prompted to provide a name and (optionally) a description for the group. The name of the group must be unique and not exist already. Following, in step 2 the user can choose whether he/she wants the group to be visible in search results or not. By default, a new group is visible. In step 3, the user has to provide a location for the group. In step 4 the user can select the way platform users may contact the group administrators before joining (by phone or email). Finally, by clicking on the plus icon in step 5 the user may invite other users to be a part of his/her new group.



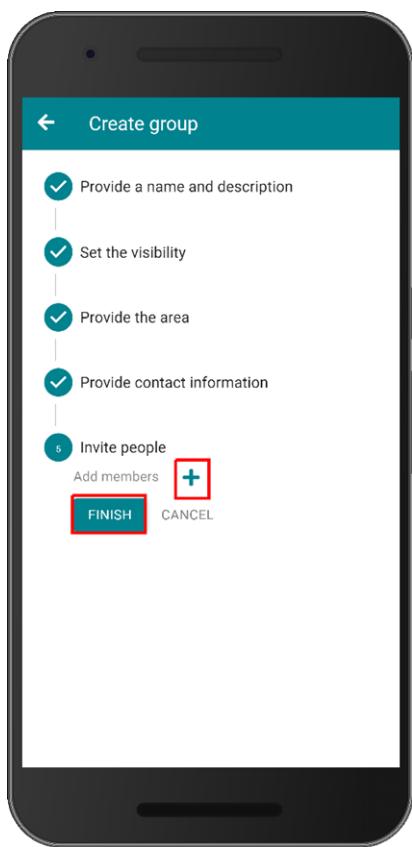
**Figure 14 - Create group step 2**

**Figure 15 - Create group step 3**

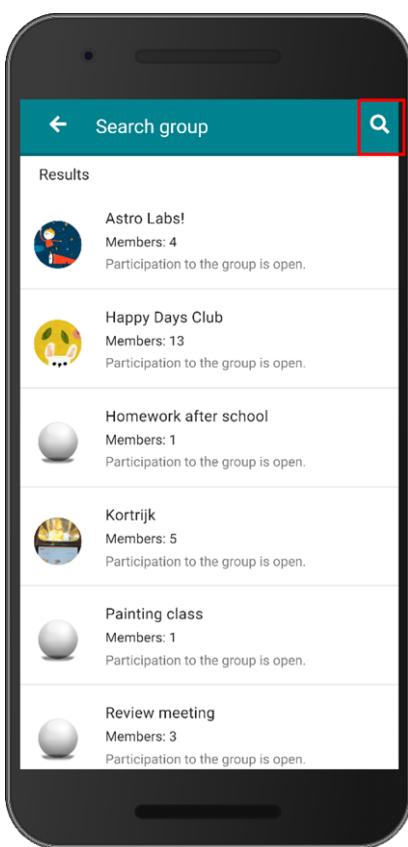
**Figure 16 - Create group step 4**

After completing these five steps and clicking the finish button the new group is created and added to the user's home screen. The user that creates a group is automatically added as an admin of the group, enabling his/her to edit the group settings, invite new member etc.

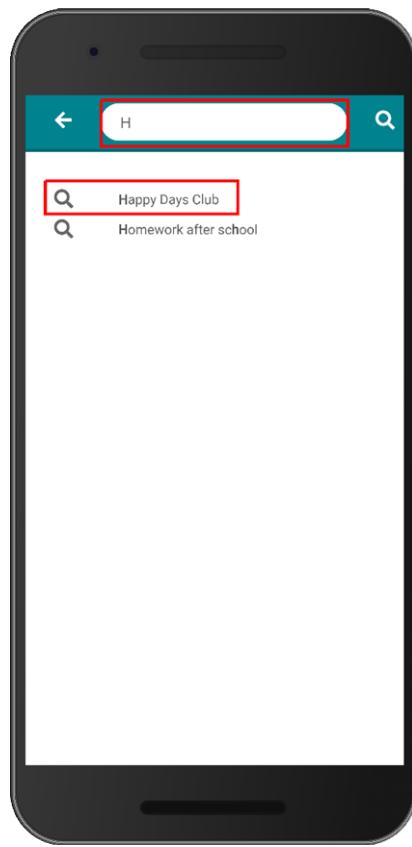




**Figure 17 – Create group step 5**



**Figure 18 - Search group screen with closed search bar**



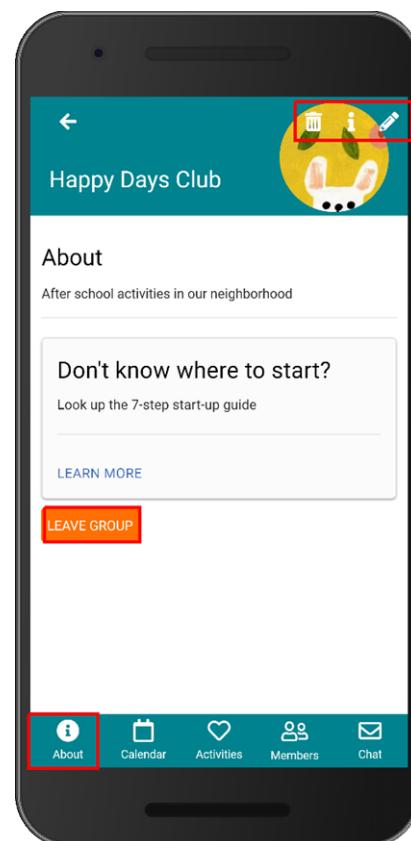
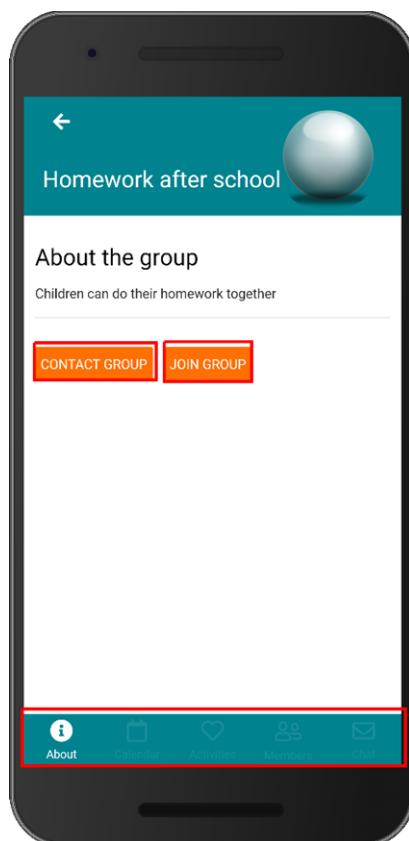
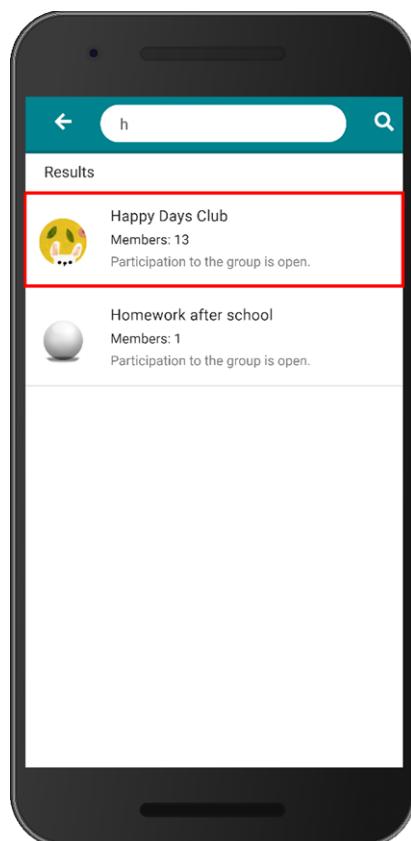
**Figure 19 - Search group screen with expanded search bar**

### 1.2.2. Join an existing group

For the user to join an existing group, he/she has to navigate to the search screen (Figure 18) by clicking the “Search a group” button in the main menu. Upon navigation to this screen, the user has to click first the “magnifying glass” icon in order to expand the search bar. Then he/she can then



input a new query and search for a specific group (Figure 19). The platform will try to match the user's query with group names and provide a list of suggestions (Figure 20). Clicking on a group, will redirect the user to this group's info screen (Figure 21). A group has five different sections where the user can navigate to: a) about b) members c) activities d) calendar d) chat. However, navigation is disabled to users that aren't members of the group. A non-member can only see a brief description of the group, click the join button or contact the group's administrator. After clicking the join button, a user has to wait for any of the group admins to approve or reject this request. Upon approval, the user will have access to more group information and will be able to navigate to all the different sections (Figure 22).



**Figure 20 - Search group screen results**

**Figure 21 - Group info screen before joining**

**Figure 22 - Group info screen after joining**





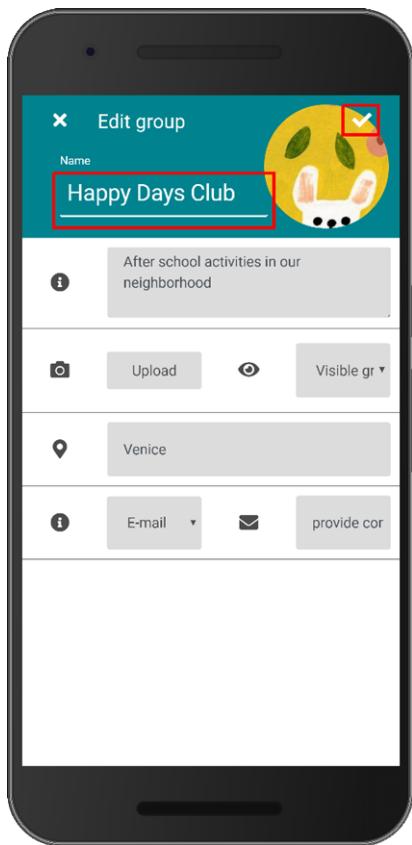
Figure 22 illustrates the about section of the group, where the user can learn more about the group and get some guidance for getting started. The three icons at the top right corner of the screen provide access to core group functionalities, enabling the user to edit or delete the group and get some useful insights about the group's usage. Clicking on the pencil icon redirects the user to the group editing screen (Figure 23), where the user can change the group's basic information as well as upload a new group photo.

### 1.2.3. Group communication

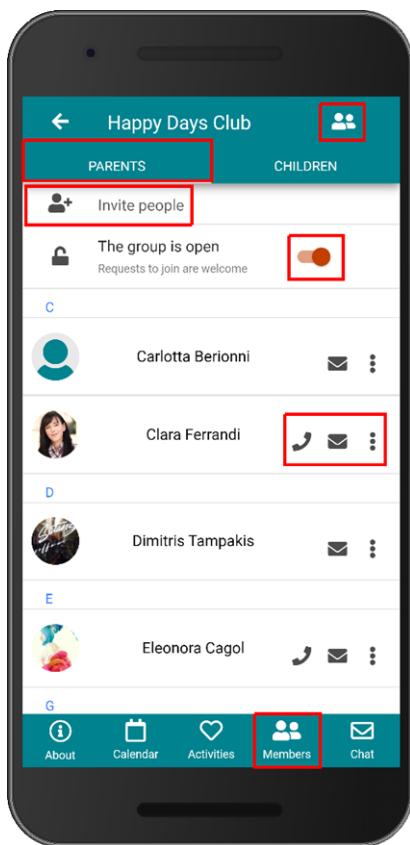
Figure 24 displays the group's member section, which is divided in two sub sections: a) parents b) children. In the parents subsection the user sees a list with the group's parents. The envelope and phone icon enable the user to quickly contact one of the parents via any of the following options: a) e-mail b) phone-call c) viber d) whats app. Furthermore, group administrators see an additional icon, the bullet icon, which allows them to appoint new group admins, remove existing ones or remove group members in general. The children subsection (Figure 25) lists the children of all parents, so that the group members can easily access them.

Figure 26 illustrates the chat section of the group where the user can post new messages on the group wall or comment on existing ones. A message can be plain text or have also photos attached to it. In order to attach photos to a message a user must click on the camera icon of the new message bar and choose some photos from the device's collection. The thumbnails above the bar in Figure 26 act as previews of the photos that the user has chosen and additionally inform his/her that the uploading has finished. Figure 27, Figure 28 display a new message and comment accordingly. The user can always choose to delete a message or comment by clicking on the times icon.

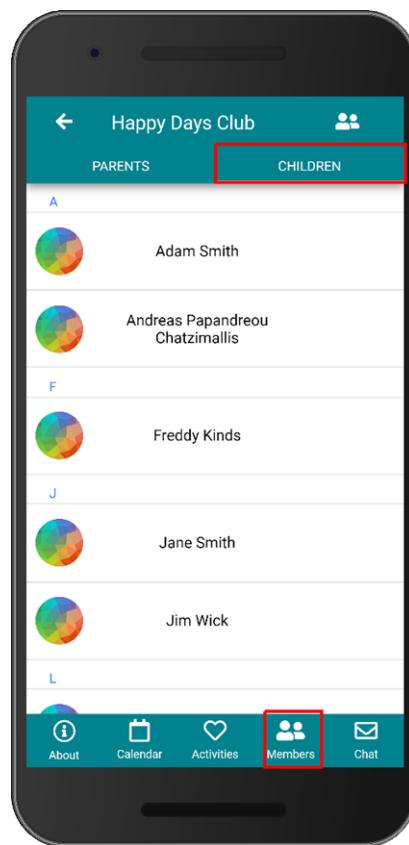




**Figure 23 - Group edit Screen**



**Figure 24 - Group members screen – volunteers tab**

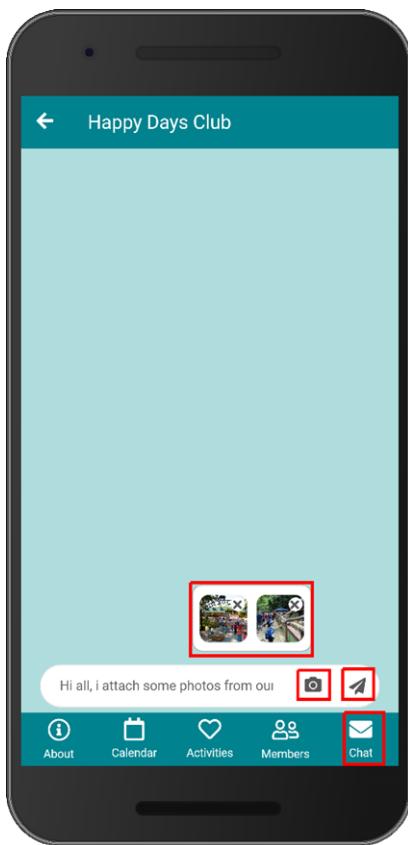


**Figure 25 - Group members screen – children tab**

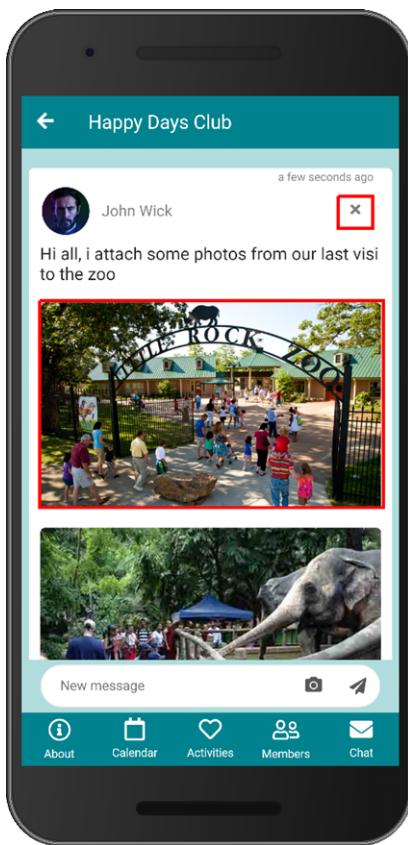
### 1.3 Create and join activities

Figure 29 illustrates the activities section of a group. This section displays a list of all the group's activities as well as any ongoing advanced plans. The user can either navigate to a specific activity by clicking on it or create a new one by clicking the plus icon. The icon at the top right corner is only visible to group administrators and redirects them to the pending activities screen (Figure 30). Activities that are created by users that don't have admin privileges need to be approved by a group administrator before showing up in the activities list.

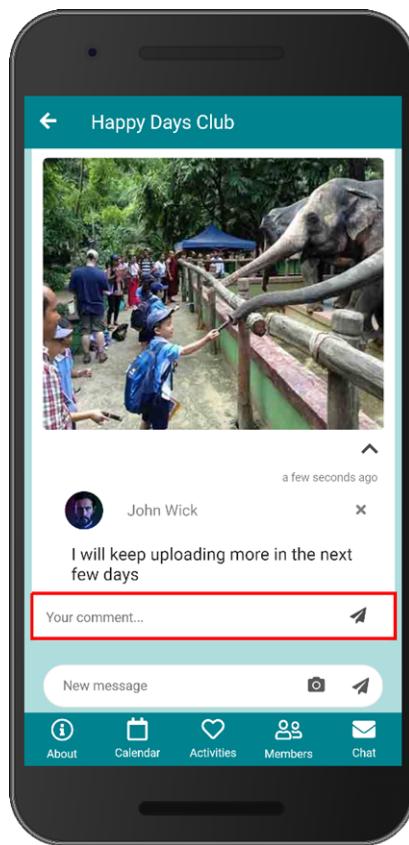




**Figure 26 - Group chat screen**



**Figure 27- Group chat screen with new message**

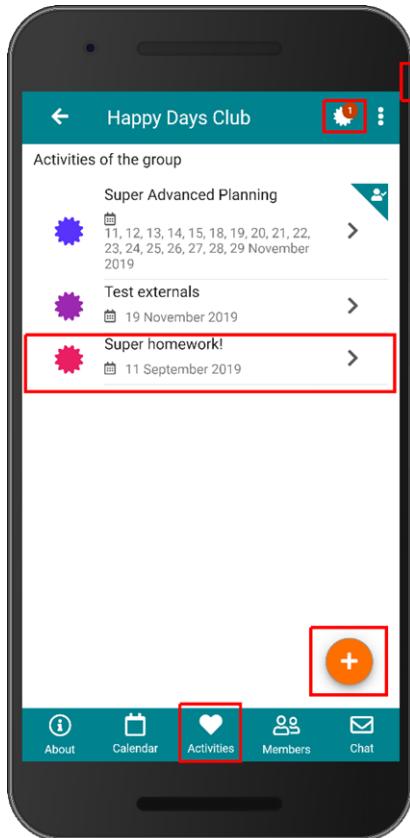


**Figure 28 - Group chat screen with new comment**

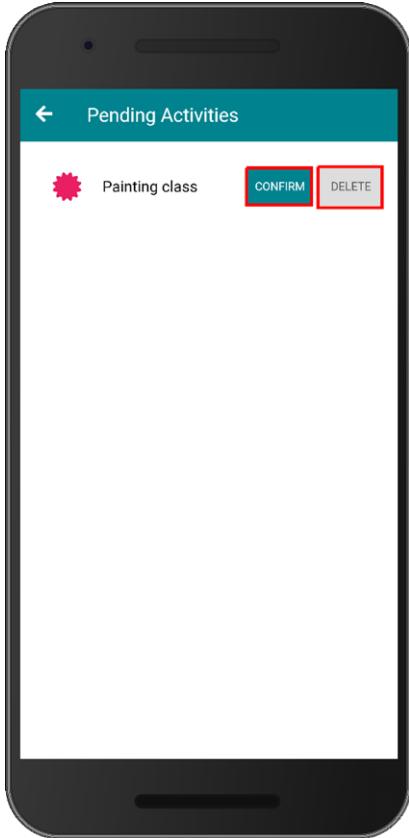
### 1.3.1. Create a new activity

Upon clicking the plus icon (Figure 31) a member with no admin privileges gets redirected to the activity creation screen while a group administrator sees two additional buttons, which enable his/her to either create an activity or initiate a new advanced plan.

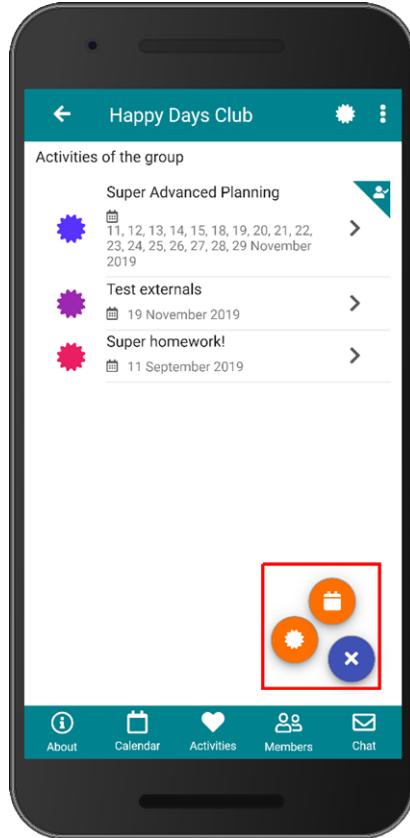
Figure 32, Figure 33, Figure 34 and Figure 35 illustrate the steps that the user must follow in order to create an activity. In step one, the user must provide a name for the activity and (optionally) a description and a location. The color of the activity is selected randomly by default but the user may change it. In step two, the user selects the dates that the activity will take place on. He/she can select a single date or multiple dates. An activity can be recurrent. By clicking, on the repetition switch the user enables repetition and may select between two options: a) weekly repetition b) monthly repetition.



**Figure 29 - Group activities screen**



**Figure 30 - Pending activities screen**



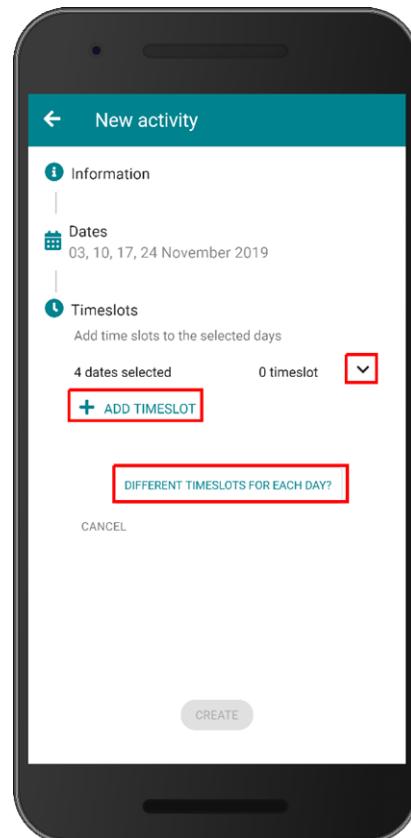
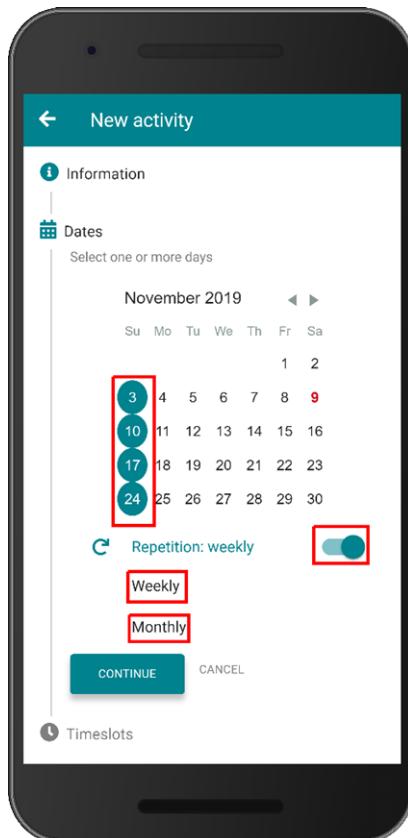
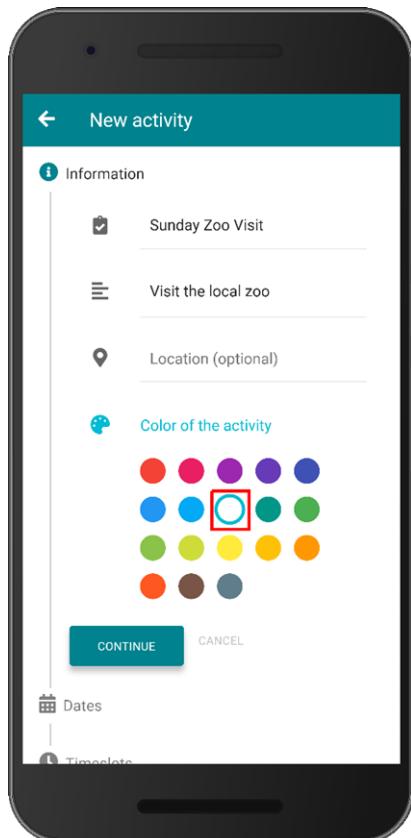
**Figure 31 - Group activities screen - create buttons**

In step 3 the user must add the desired timeslots (events) for each day he/she selected. By default, all days share the same timeslots, but the user may add different timeslots for each day by clicking the corresponding button as shown in Figure 34. Clicking the “ADD TIMESLOT” button brings up the new timeslot window, where the user can provide all the necessary details regarding the timeslot (event) (Figure 35). Specifically, the user is prompted to provide:

- A start time
- An end time
- A name
- A location
- The required number of parents (minimum number of participating parents)
- The required number of children (minimum number of participating children)
- A category for the event e.g. learning, hobby, tourism (optionally)
- A description (optionally)



- i) A cost per person (optionally)



**Figure 32 - Create activity screen - step 1**

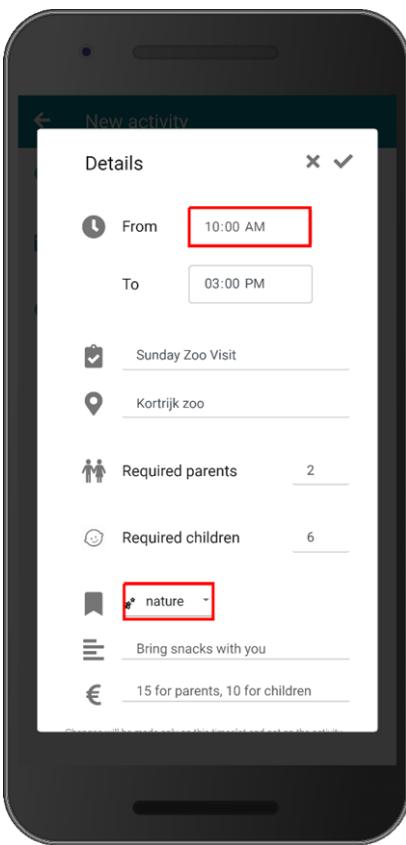
**Figure 33 - Create activity screen - step 2**

**Figure 34 - Create activity screen - step 3**

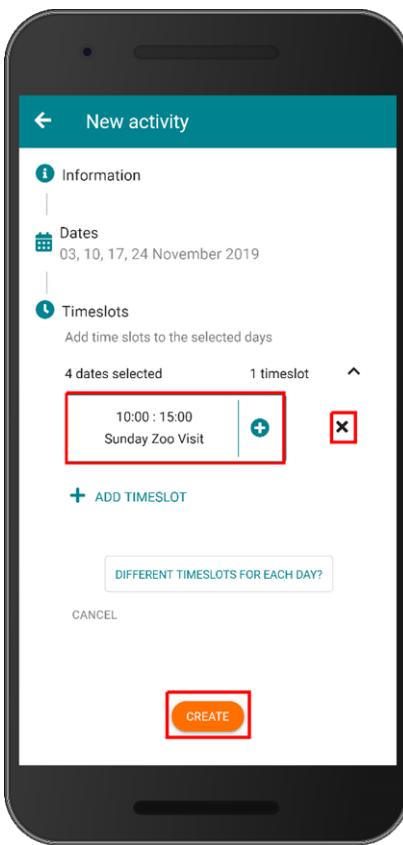
By default, the name of a timeslot is the same as of the activity's, but the user can always change that. After filling, all the requested parameters the user may save the timeslot or discard it by clicking on the check or times icon correspondingly. Figure 36 illustrates the newly added timeslot. The user can delete the new timeslot by clicking on the times icon or expand it to see its details by clicking on it.

Finally, upon adding all the desired timeslots the user has to click the "CREATE" button in order to complete the creation of the activity.

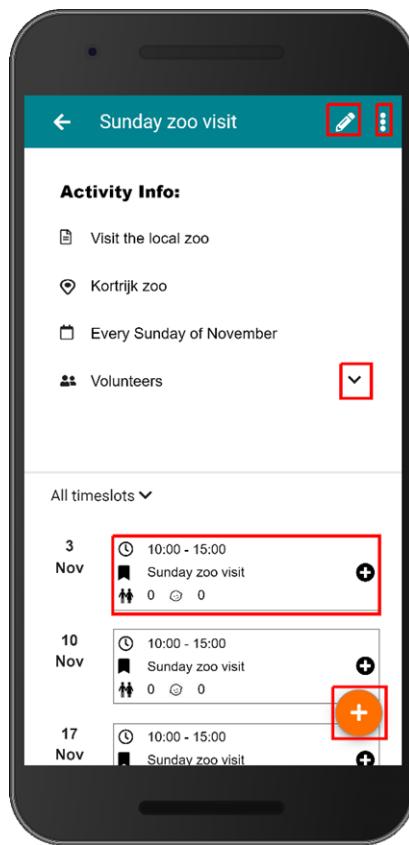




**Figure 35 -Create activity screen – add new timeslot**



**Figure 36 - Create activity screen - with added timeslot**



**Figure 37 - Activity screen**

### 1.3.2. Join an activity

Figure 37 illustrates the Activity Screen, where the user can navigate to by clicking on any of the activities in the group activities section. Here, the user can see the main details of the activity such as the selected dates, the description etc. At the top right corner the pencil icon redirects the user to the activity editing screen where he/she can modify the activity and the bullets icon provides the user with the options to either delete or export the activity to a pdf format. It is worth mentioning that in order to edit or delete an activity the user must be a group admin or the creator of the activity. Below the main details of the activity there is a list with the activity's timeslots. Clicking on a timeslot redirects the user to the corresponding timeslot screen (Figure 38). At last, the plus icon at the bottom right corner is too only visible to users with editing rights and enables them to add an additional timeslot to the existing ones.



a timeslot he/she must have admin privileges in the group, or he/she has to be the creator of the activity.

The timeslot screen provides a detailed report of the event including both the event's details as well as the participating parents, external users and children. By clicking on his/her name the user can either subscribe or unsubscribe herself from the timeslot. Same applies for the children. Adding or removing other group members, children or external users to the activity is a functionality available only to group admins. At the bottom of the timeslot screen (Figure 39) the user can see all the individuals taking part in the event in the form of three distinct lists (externals, volunteers and children). Finally, clicking on the pencil at the top right corner of the screen redirects to the editing screen of the timeslot (Figure 40). In addition to the details provided during the creation of the timeslot the user can also modify the timeslot's status and change it from ongoing to completed. It has to be noted that changing crucial details of the timeslot (date and time) leads to the unsubscription of all partaking members, which are then notified about this change.

Figure 41 illustrates the home screen of the platform, which now shows the groups the user has joined and the timeslots he/she has signed-up for participation.

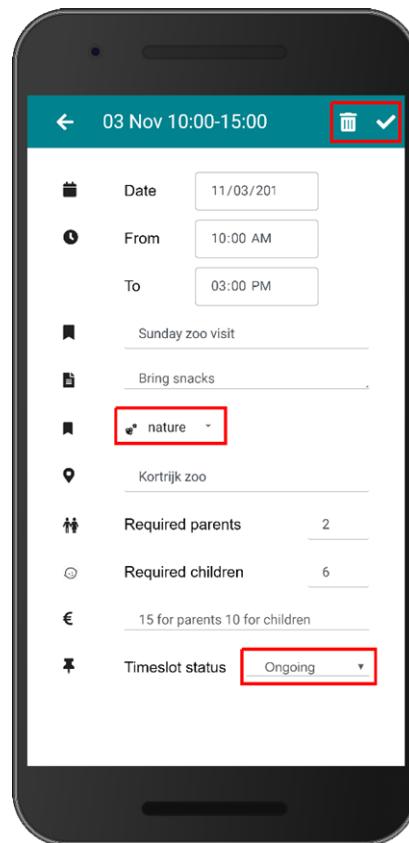
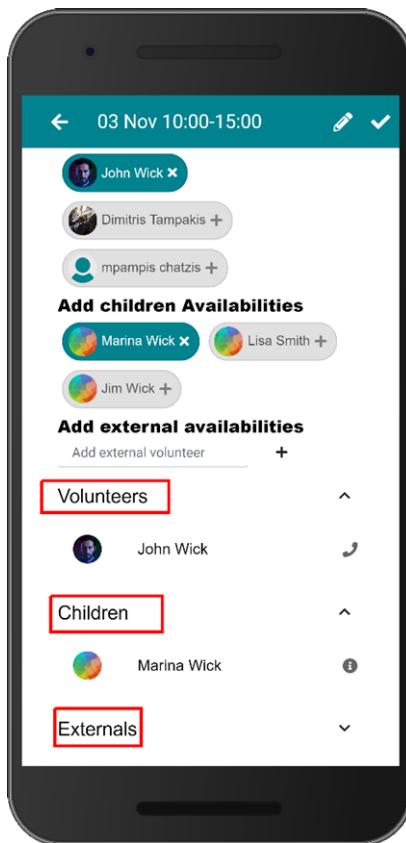
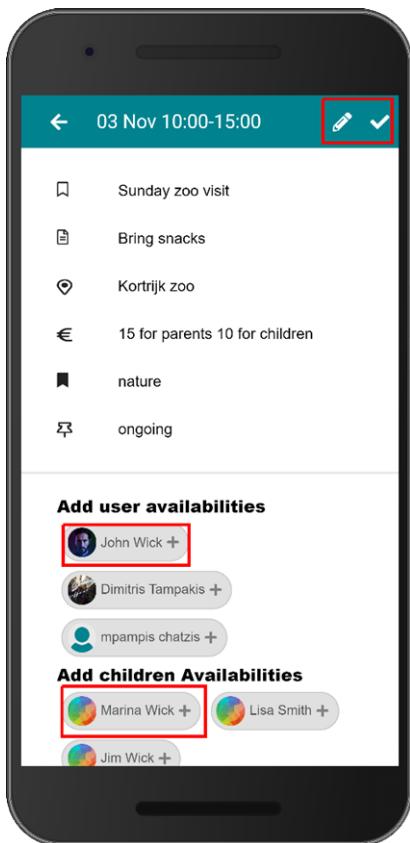


Figure 38 - Timeslot screen

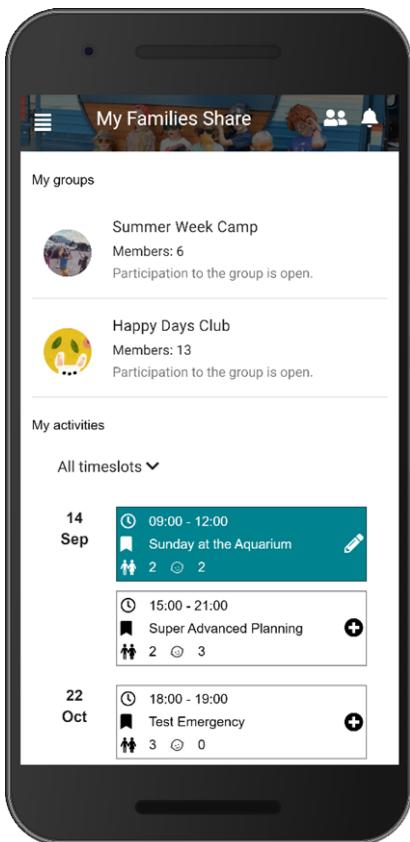
Figure 39 - Timeslot screen with subscriptions

Figure 40 - Edit timeslot screen

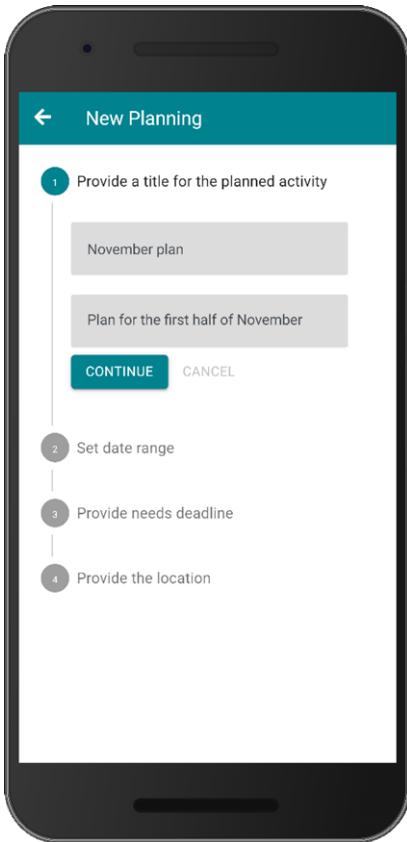




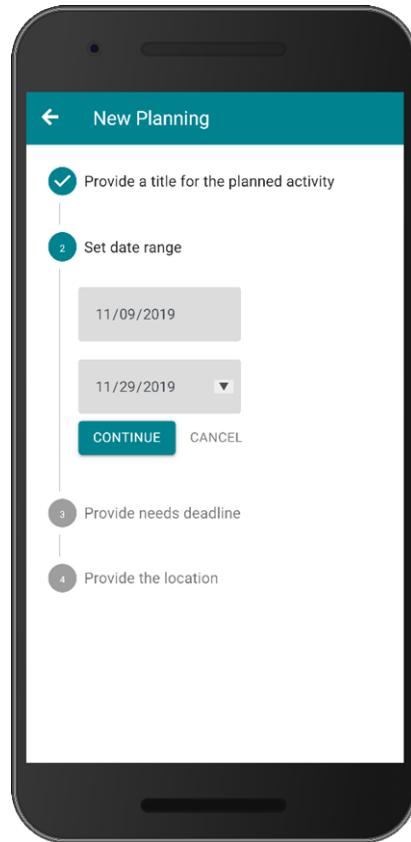
Figure 41Figure 42, Figure 43, Figure 44 and Figure 45 Illustrate the steps that the user must follow in order to create a new plan. As mentioned before, in order for the user to navigate to the plan creation screen he/she must click the plus icon in the group activities section and then click the calendar icon. In these steps the user provides the necessary details (name, location, description, dates and deadline) in order to initiate a new advanced plan.



**Figure 41 - Home screen with groups and activities**



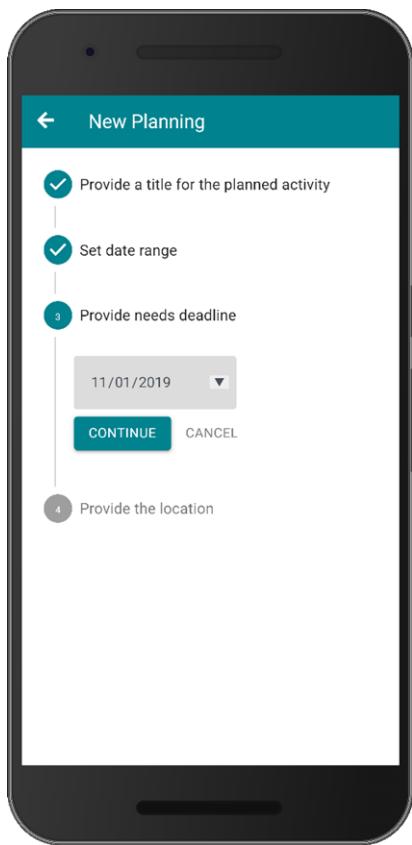
**Figure 42 - Create plan - step 1**



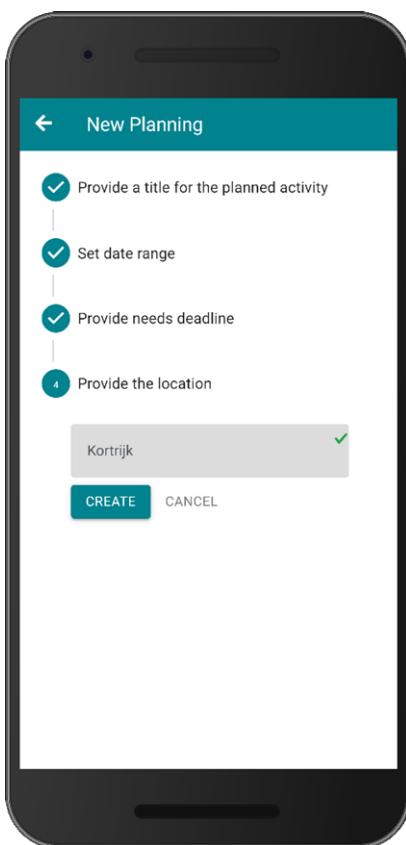
**Figure 43 - Create plan step 2**

Figure 46 illustrates the activities section of the group that now shows the newly created plan. Clicking on the plan navigates the user to the plan management screen (Figure 47). The first phase of the advanced planning functionality involves the users adding their children needs. The user first selects the specific dates that he/she needs childcare (Figure 48) and then selects which of his/her children need childcare for each specific date (Figure 48).

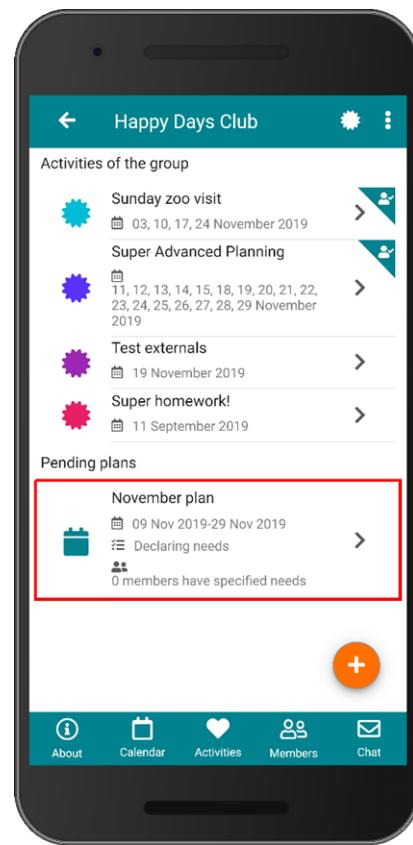




**Figure 44 - Create plan - step 3**

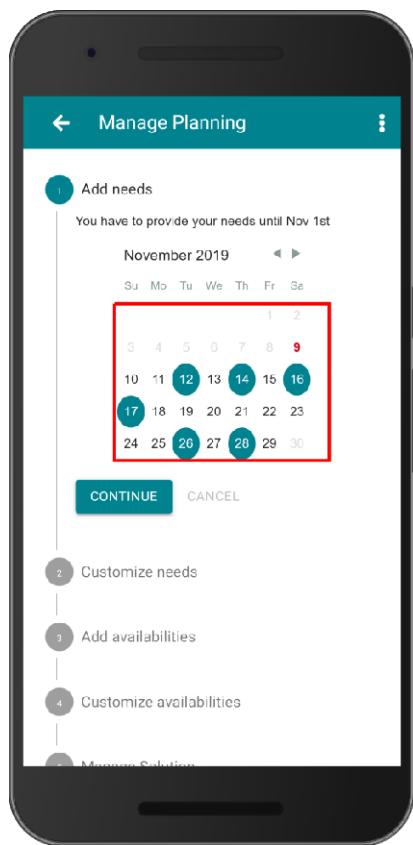


**Figure 45 - Create plan - step 4**

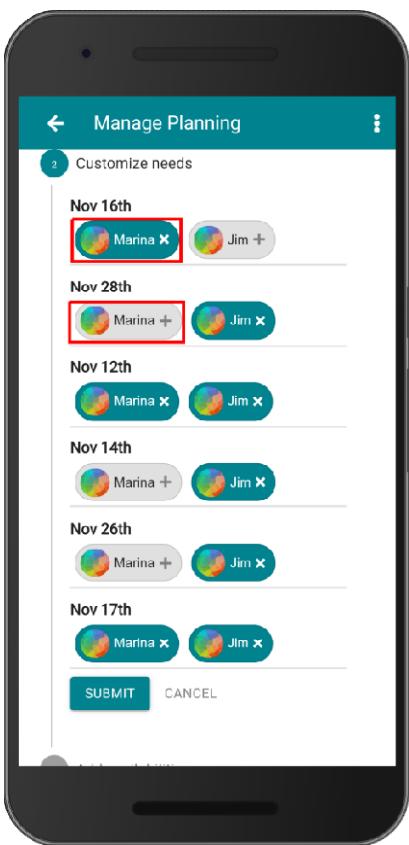


**Figure 46 - Group activities screen - with new plan**

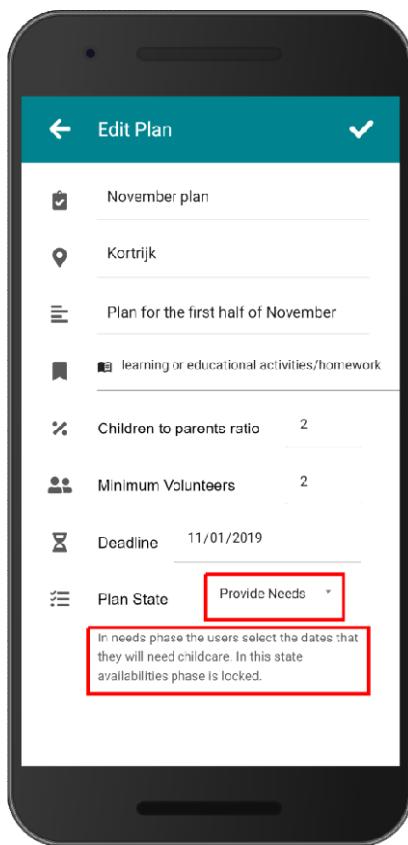
By clicking on the bullets icon at the top right corner of the screen the user can either edit the plan or request an .xls export of it. Figure 49 illustrates the plan editing screen. This screen is accessible only by group administrators. In this screen the user can provide additional plan details (such as the category of the events and children to parents ratio) and advance the plan to the next phase.



**Figure 47 - Create plan screen - step 1**



**Figure 48 - Create plan screen - step 2**



**Figure 49 - Edit plan screen**

The second phase of the advanced planning functionality involves the parents declaring their availabilities. Figure 52 and Figure 50 illustrate the two steps that the users must follow in order to declare their availabilities. It is worth noting here that dates with no needs declared have been disabled and are not available for selection.

After all members participating in the plan have declared their needs and availabilities the organizer may advance the plan to its final phase. In this phase the platform provides the organizer with an optimal solution, assigning the parents properly to specific dates and taking into consideration various factors such as children to parents ratio, minimum number of volunteers per event etc.

Figure 54 illustrates a timeslot screen depicted on the day that its taking place. As can be seen, there is an additional emergency button. This button, when clicked, redirects the user to the emergency screen (Figure 55) which provides the user with quick access to emergency services in case of a need

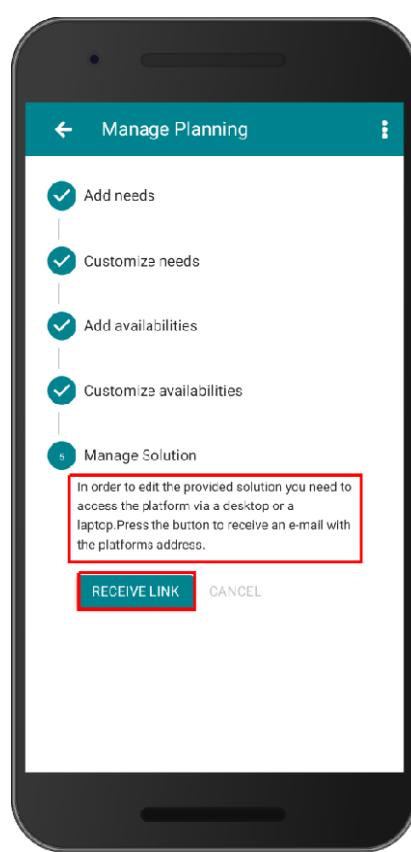
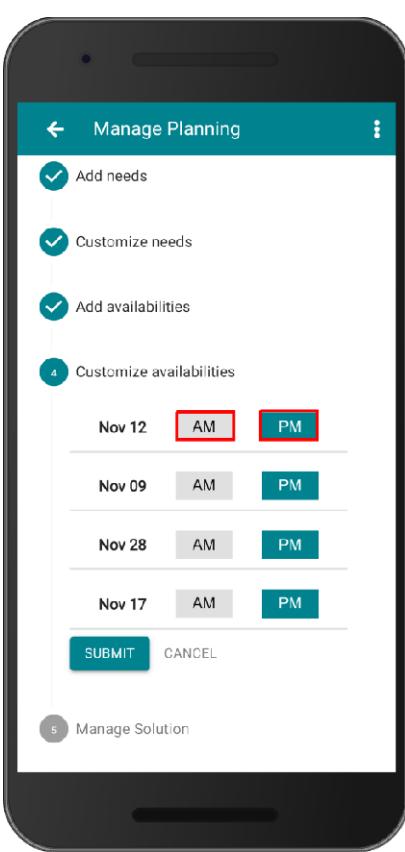
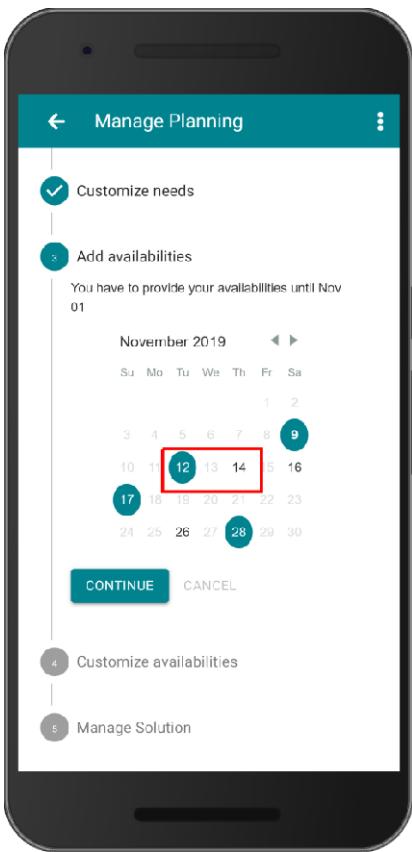


Figure 52 - Create plan screen - step 3

Figure 50 - Create plan screen - step 4

Figure 51 - Create plan screen - step 5 (mobile)



Figure 53 illustrates the editing screen of the optimal solution. This screen as shown in Figure 51 is accessible only via the web version of the Families Share Platform due to its complex interface. At last the organizer may make minor changes to the produced solution and click on the create activities button in order to transform the advanced plan into actual activities. The platform enables the organizer to assign additional volunteers to the specific timeslots, selecting even group members that hadn't taken part in the previous phases of the advanced plan.

A screenshot of the 'Manage Planning' interface. The top navigation bar includes a back arrow, the title 'Manage Planning', and a three-dot menu. On the left, a sidebar lists steps: 'Add needs' (checked), 'Customize needs' (checked), 'Add availabilities' (checked), 'Customize availabilities' (checked), and 'Manage Solution'. The main area shows a grid of availability slots from 12 Nov 2019-AM to 26 Nov 2019-AM. A specific slot on 16 Nov 2019-PM is highlighted with a red box. Below the grid, a dropdown menu says 'Select availabilities from All group members'. At the bottom are 'CREATE ACTIVITIES' and 'CANCEL' buttons. To the right, a sidebar titled 'SLOT NEEDS' lists 'MARINA WICK' and 'JIM WICK'.

Manage Planning

- Add needs
- Customize needs
- Add availabilities
- Customize availabilities
- Manage Solution

12 Nov 2019-AM	13 Nov 2019-PM	14 Nov 2019-PM	14 Nov 2019-AM	16 Nov 2019-AM	16 Nov 2019-PM	17 Nov 2019-AM	17 Nov 2019-PM	26 Nov 2019-AM	26 Nov 2019-PM
Marina's chat time * John Wick						John Wick			
John Wick									

Select availabilities from All group members

CREATE ACTIVITIES CANCEL

SLOT NEEDS

MARINA WICK

JIM WICK

**Figure 53 - Create plan screen - step 5 (desktop)**



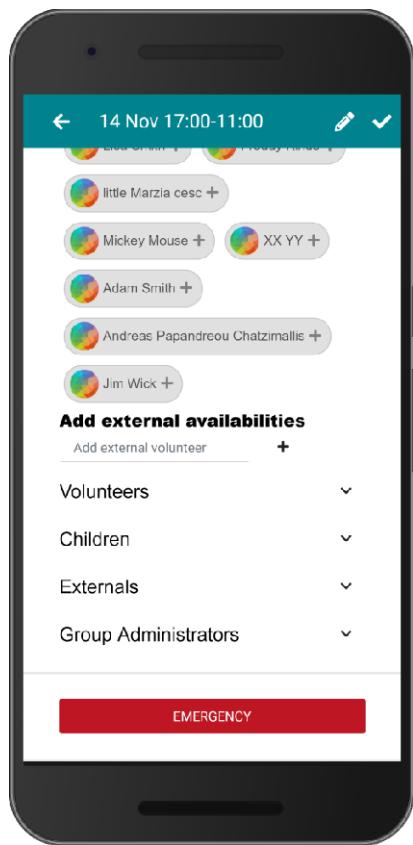


Figure 54 - Timeslot screen with emergency button

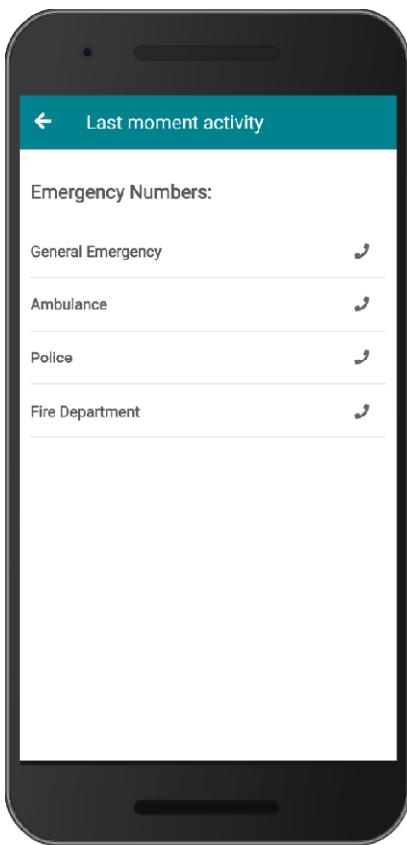


Figure 55 - Emergency screen



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