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School of Information Technologies

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Party Planner

Web Applications with C#

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Author’s declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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16.03.2024

List of abbreviations and terms

RSVP	Reply to an invitation indicating whether one plans to attend.

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1 Introduction

The goal of this project is to create a party planner web application as a distributed system, which would comply with the demands of the course. The need for a party planner came from the author's personal need to organize all parties and events in one place. The author tried to find a suitable application that met her all needs and wishes but unfortunately could not find one. This project is aiming to create a simple use web application that covers all the essentials, from managing the guestlist to tracking the budget.

2 Overview

The party planner is an application to help everyone organize their events. The application will have three main features: A To-do list, Guestlist, and Wishlist. The To-do List feature allows users to easily track progress and budget for parties, delegate tasks to others, and ensure that everything runs smoothly. The Guestlist feature simplifies the process of sending invitations and tracking RSVPs, making it easier for organizers to manage their guestlist and plan accordingly. The Wishlist feature allows the heroes of the occasion to get what they desire and helps guests find the perfect gift easily.

2.1 Initial stage

Application is planned to be created in different stages. At first, the application will have three main features with minimal functionality:

1. User can create/edit/delete events.
2. User can see his events, events where he is an assistant, and events where he is invited as a guest.
3. User can send invitations for users of the application to become a friend.
1. User can delete other users from his contact list (friendship).
4. User as the event organizer can edit the event location.
5. User as the event organizer can see and edit Guestlist, To-do list, and Wishlist.
6. User as the event organizer can add/edit/delete tasks in the To-do list.
7. User as the event organizer can mark tasks as done in the To-do list.
8. User as the event organizer can assign assistant to tasks in the To-do list.
9. User as the event assistant can mark tasks as done in the To-do list.

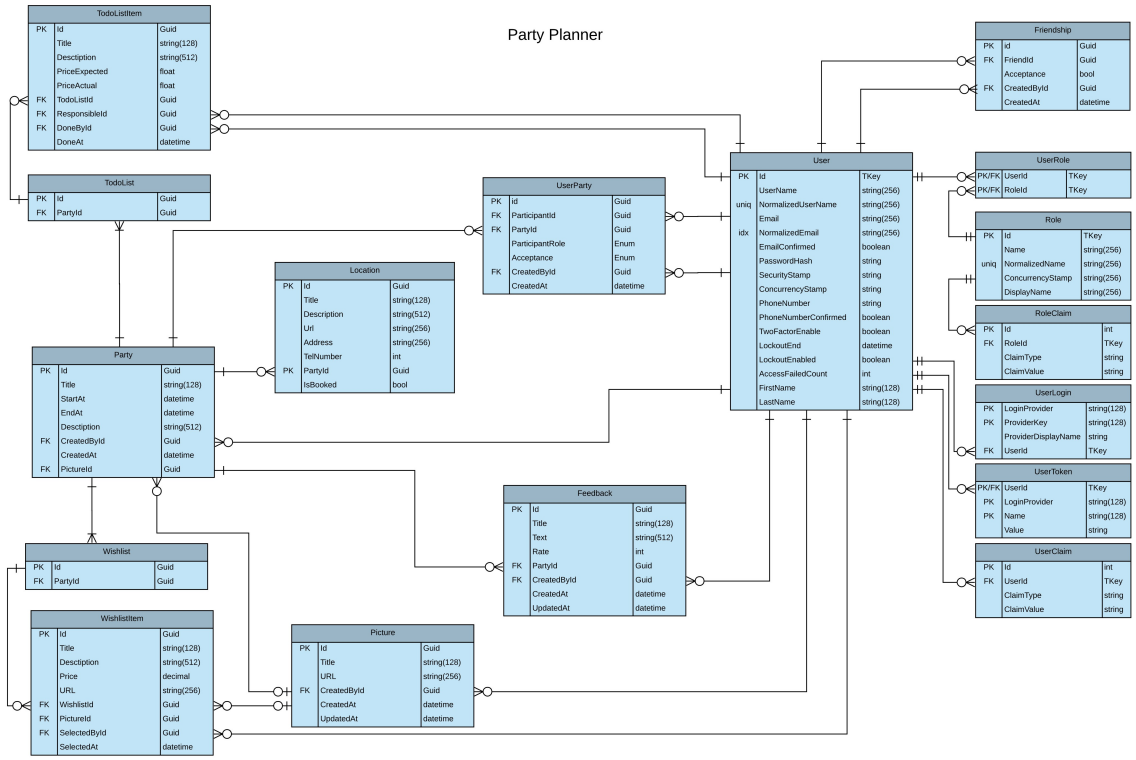
10. User as the event organizer can send invitations for users of the application and see RSVPs.
11. User can respond to invitations.
12. User as the event guest can leave comments and rate event.
13. User as the event guest can mark gifts as chosen in Wishlist.
14. User as the event organizer can add/edit/delete items in Wishlist.

2.2 Further development

After the initial stage is implemented, the following functionalities are planned to be added, if it will be possible to add those in this course's time:

1. User as the event assistant can edit Guestlist, To-do list, and Wishlist according to given permission by the event organizer.
2. User as the event organizer can mark another user as a hero of the occasion.
3. User as a hero of the occasion can add/edit/delete items in Wishlist.
4. User as the event organizer can create and edit seating charts.
5. User can set reminders for upcoming events.
6. User as the event organizer can assign specific due dates to To-do tasks.
7. User as event organizer/assistant can set reminders for impending tasks.
8. User as the event organizer can assign multiple assistants to one specific task in the To-do list.
9. User as the event organizer can send invitations via email to unregistered persons and see RSVPs.
10. User as the event organizer can send collaboration requests for users and see RSVPs.

3 ERD


Party Planner
TodoListItem
PK Id Guid
Title string(128)
Desctiption string(512)
PriceExpected float
PriceActual float
FK TodoListId Guid
FK ResponsibleId Guid
FK DoneById Guid
DoneAt datetime
TodoList
PK Id Guid
FK PartyId Guid
Party
PK Id Guid
Title string(128)
StartAt datetime
EndAt datetime
Desctiption string(512)
FK CreatedById Guid
CreatedAt datetime
FK PictureId Guid
Location
PK Id Guid
Title string(128)
Description string(512)
Url string(256)
Address string(256)
TelNumber int
PK PartyId Guid
IsBooked bool
UserParty
PK Id Guid
FK ParticipantId Guid
FK PartyId Guid
ParticipantRole Enum
Acceptance Enum
FK CreatedById Guid
CreatedAt datetime
User
PK Id TKey
UserName string(256)
uniq NormalizedUserName string(256)
Email string(256)
idx NormalizedEmail string(256)
EmailConfirmed boolean
PasswordHash string
SecurityStamp string
ConcurrencyStamp string
PhoneNumber string
PhoneNumberConfirmed boolean
TwoFactorEnable boolean
LockoutEnd datetime
LockoutEnabled boolean
AccessFailedCount int
FirstName string(128)
LastName string(128)
Friendship
PK Id Guid
FK FriendId Guid
Acceptance bool
FK CreatedById Guid
CreatedAt datetime
UserRole
PK/FK UserId TKey
PK/FK RoleId TKey
Role
PK Id TKey
Name string(256)
uniq NormalizedName string(256)
ConcurrencyStamp string(256)
DisplayName string(256)
RoleClaim
PK Id int
FK RoleId TKey
ClaimType string
ClaimValue string
UserLogin
PK LoginProvider string(128)
PK ProviderKey string(128)
ProviderDisplayName string
FK UserId TKey
UserToken
PK/FK UserId TKey
PK LoginProvider string(128)
PK Name string(128)
Value string
UserClaim
PK Id int
FK UserId TKey
ClaimType string
ClaimValue string
Feedback
PK Id Guid
Title string(128)
Text string(512)
Rate int
FK PartyId Guid
FK CreatedById Guid
CreatedAt datetime
UpdatedAt datetime
Wishlist
PK Id Guid
FK PartyId Guid
WishlistItem
PK Id Guid
Title string(128)
Desctiption string(512)
Price decimal
URL string(256)
FK WishlistId Guid
FK PictureId Guid
FK SelectedById Guid
SelectedAt datetime
Picture
PK Id Guid
Title string(128)
URL string(256)
FK CreatedById Guid
CreatedAt datetime
UpdatedAt datetime

4 Client positive flow

The following text and prototypes have descriptive meaning. The final design of Party Planner web application may differ.

4.1 Main page

The main page of the party planner web application gives a quick overview of what the application offers. The first page will have a header, a link to an authorization page, and a body section. The header will include the name and logo of the web application. The body section will have a brief description of what the application can do.

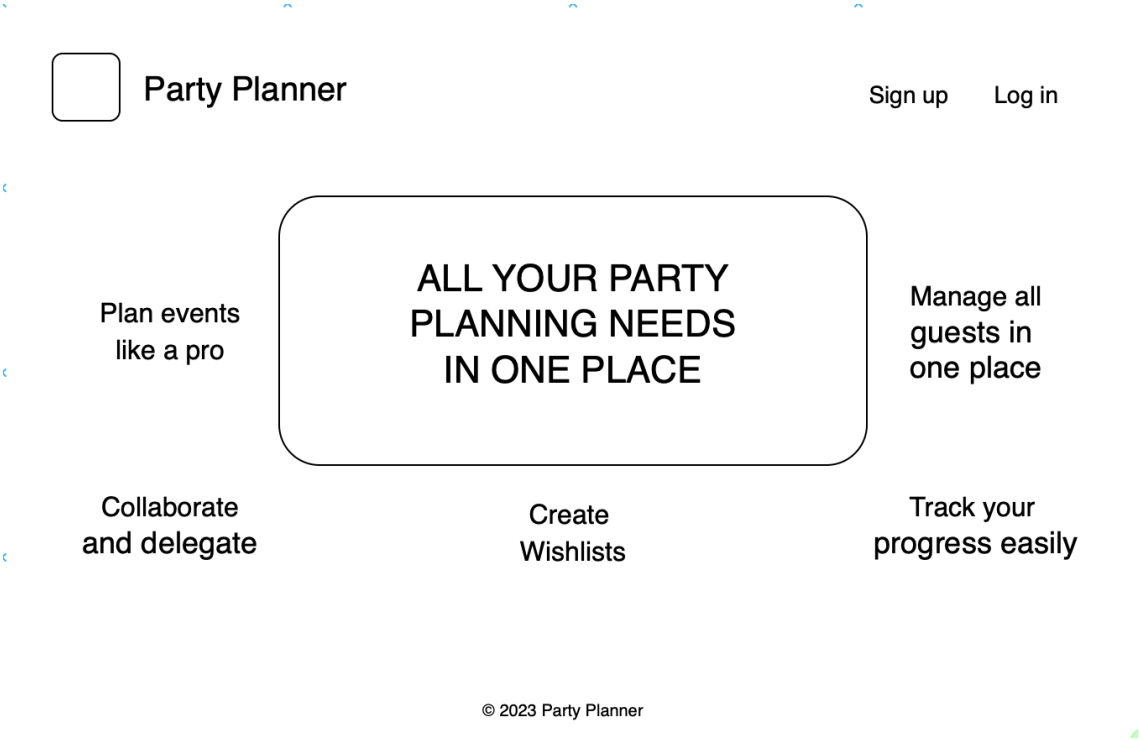


Figure 1: Main page.

4.2 Registration or login page

If a user is interested in our service, he goes to the registration page with a form that prompts personal details and a username and password. If the user already has an account, he can simply enter a username and password to log in.

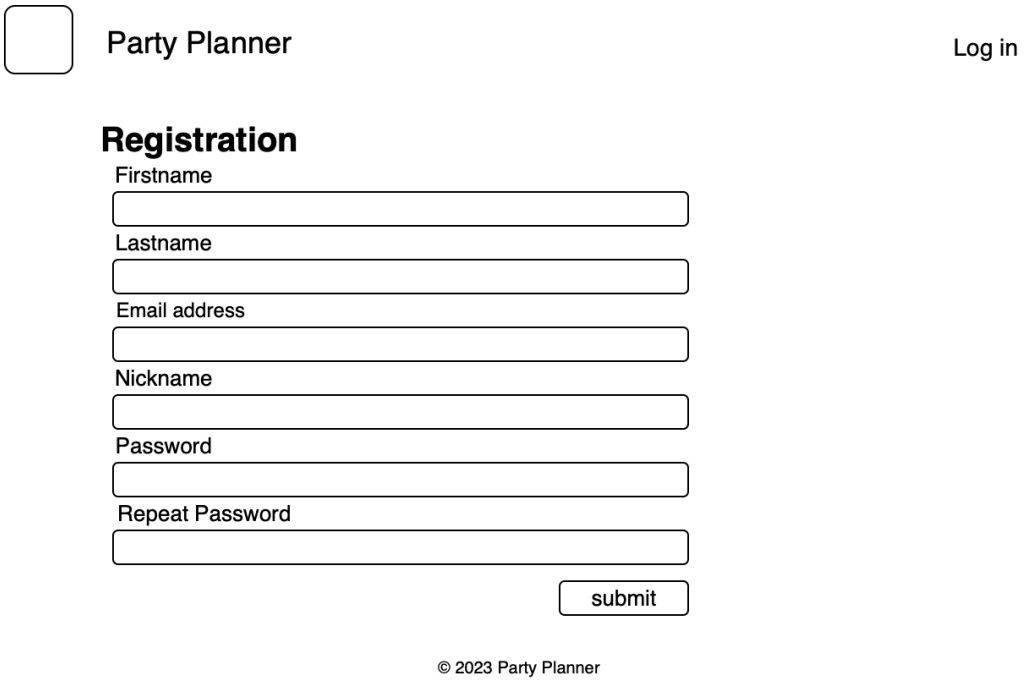


Figure 2: Registration page.

4.3 Main page for logged in user

When a user logs in successfully, they will be directed to the main page of the web application. This main page will provide the user with an overview of the upcoming events that they are either organizing or assisting with, as well as the events they have been invited to attend. The main page will display the first three events in each category, along with the date, time, and location of each event.

Under each upcoming event, there will be a call-to-action button that will allow the user to view the full list of events in that category. This will enable the user to easily see all of the events they are involved with and stay organized.

In addition to the upcoming events, the main page will also feature a main call-to-action button that will allow the user to create a new event. This button will be prominently displayed on the page and will make it easy for the user to quickly create a new event.

In the left upper corner will be a call-to-action button for the friend list, user account details and log out. This will provide users with easy access to their friends, account information and allow them to manage and edit their friend list and account information.

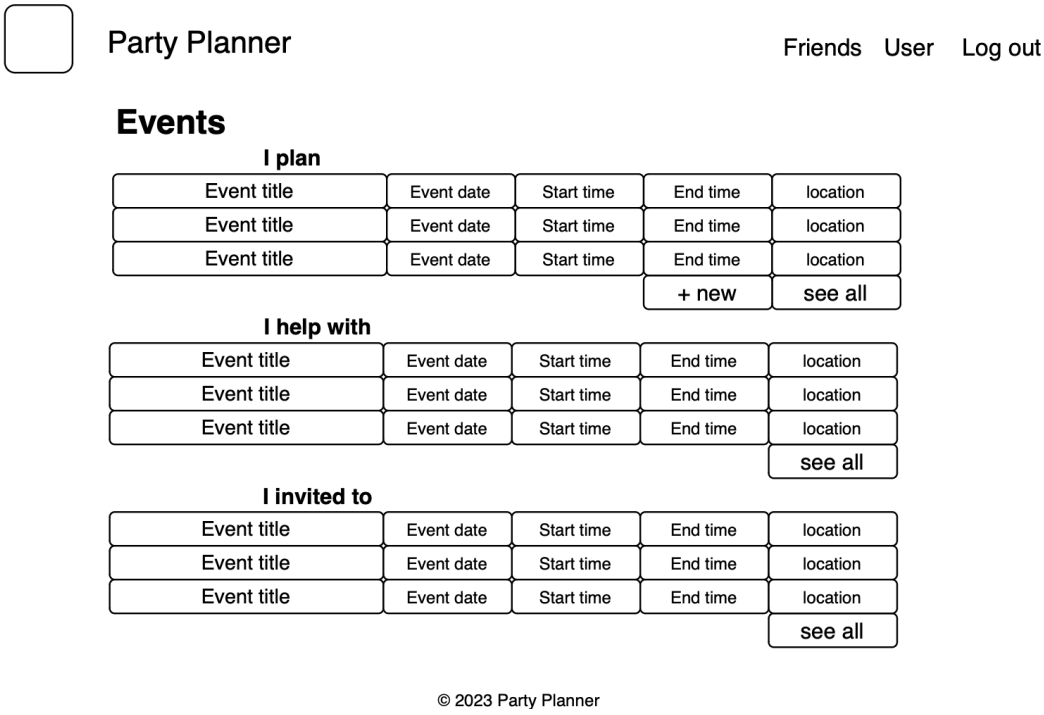


Figure 3:Main page of application for logged in user.

4.4 List of events page

Pages where users can see lists of events for every category according to selected filters.

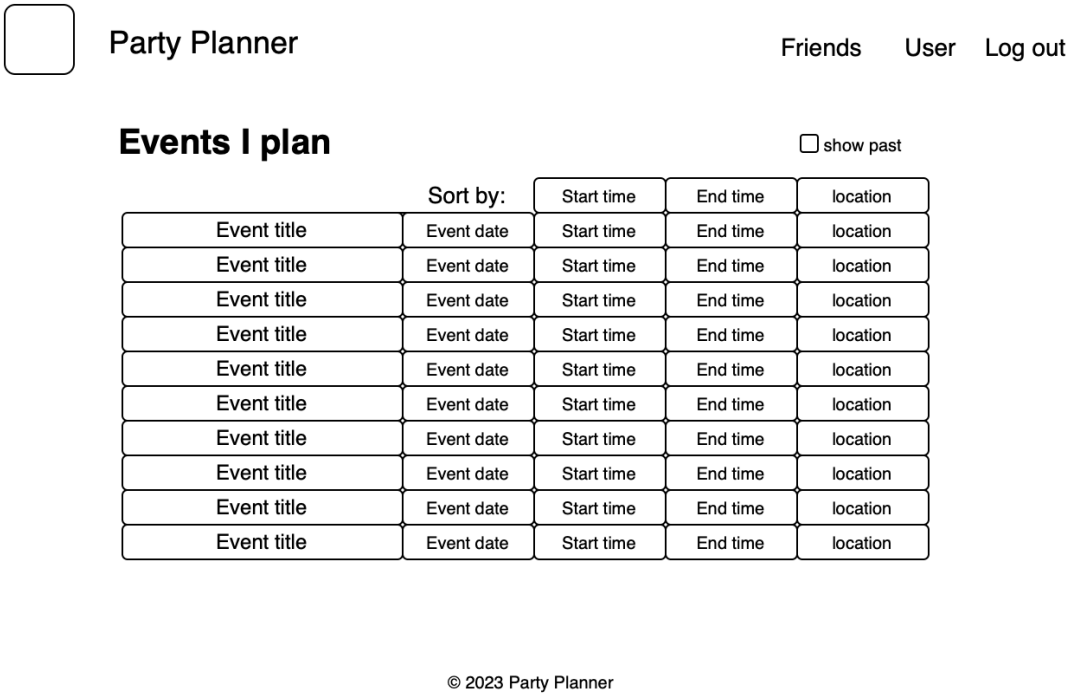


Figure 4: Events I plan list page.

4.5 Event edit page

The event edit page in a web application allows the event organizer to modify the details of the event they have created. The page includes various fields such as date, time, location, and other details of the event.

The page may also allow the organizer to edit the event location, the guestlist, to-do list, and wishlist associated with the event. This includes adding or removing guests, updating tasks, and modifying the list of items the organizer would like to receive as gifts.

In addition to these options, the event edit page may also allow the organizer to send requests for collaboration to other users.

Finally, the page may also include options for deleting the event entirely, as well as options for saving and publishing any changes made to the event details.

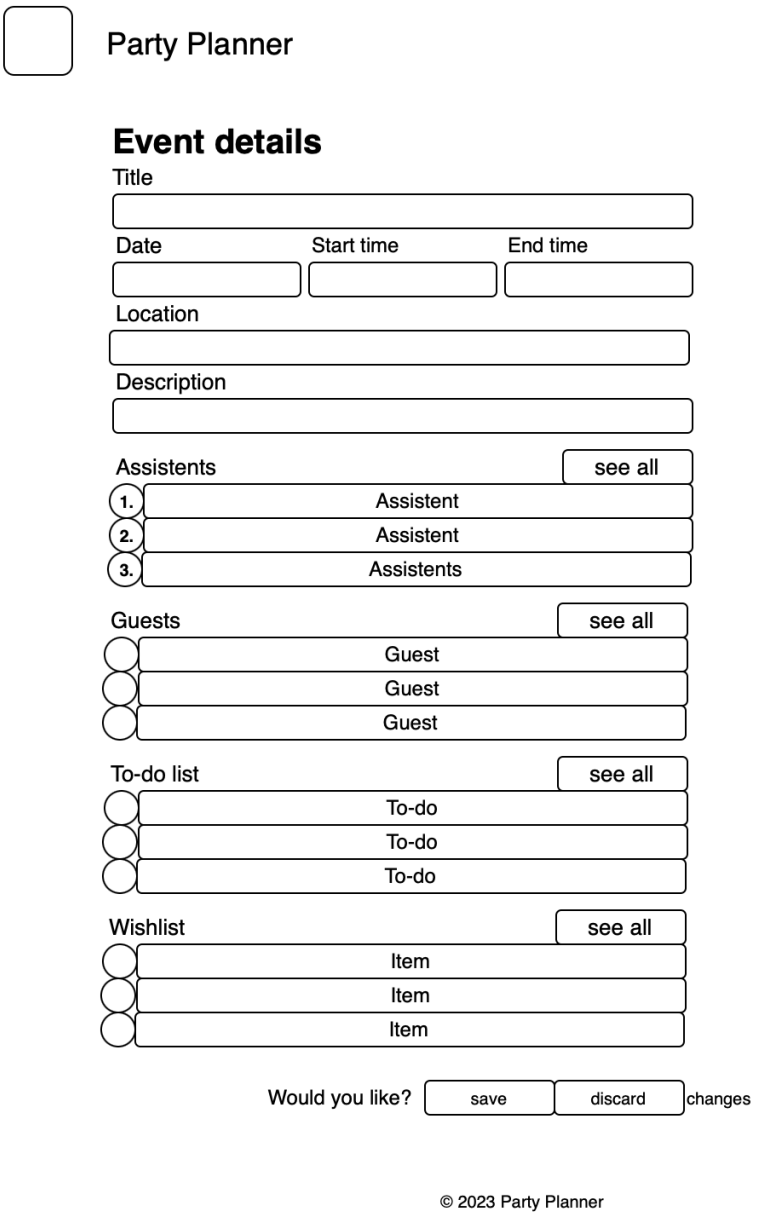


Figure 5: Event detail edit page, view for user with organizer role.

4.6 Event location edit page

The event location edit page allows event organizers to modify information related to their event's location, including the venue's title, description, address, URL, telephone number, and mark if it is booked.

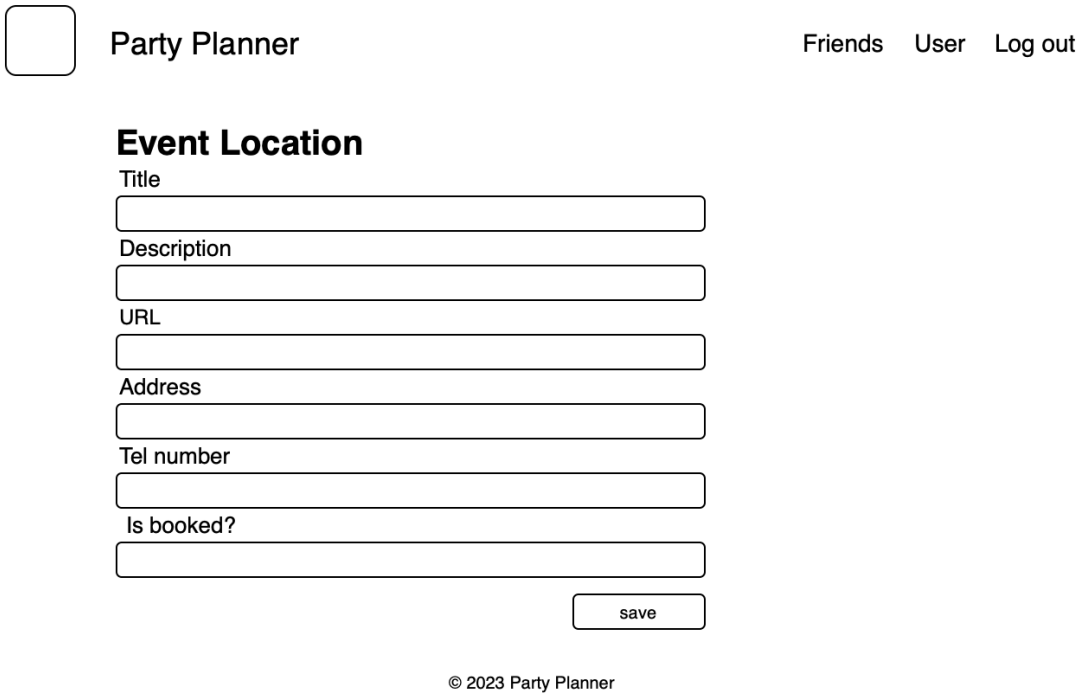


Figure 6: Event location edit page, view for user with organizer role.

4.7 To-do list edit page

The to-do list edit page allows event organizers to add/delete tasks and allows organizers/assistants to mark tasks as completed.

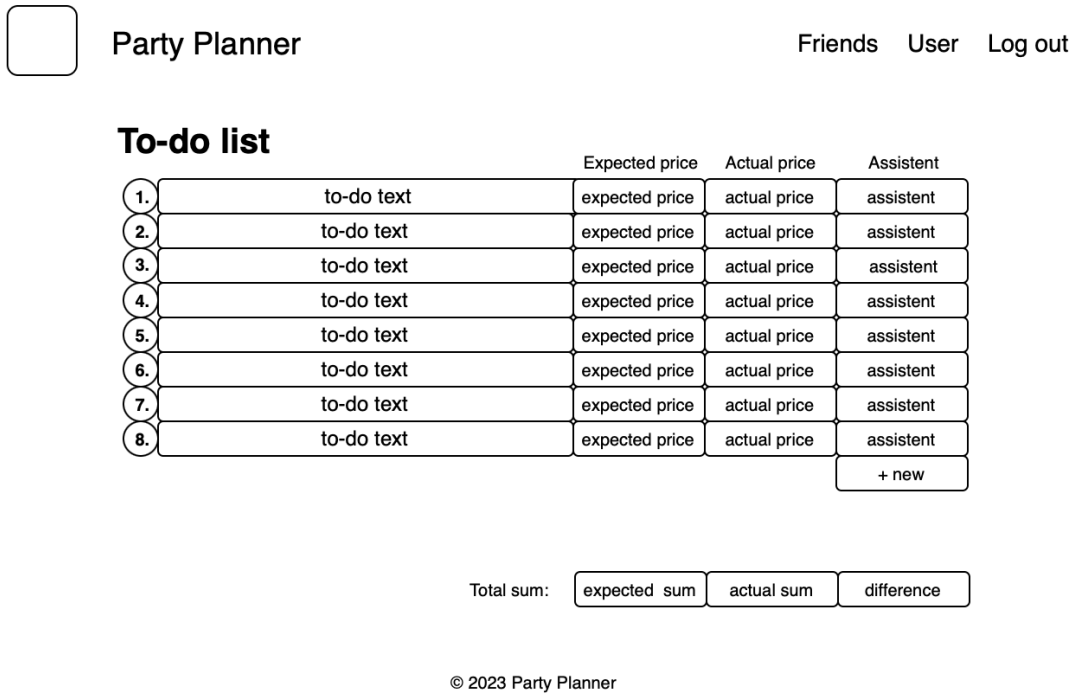


Figure 7: To-do list edit page, view for user with organizer role.

4.8 Wishlist edit page

The wishlist edit page allows event organizers to modify the list of items they would like to receive as gifts. Guests can access and browse through the available items and choose one to purchase and mark it as chosen.

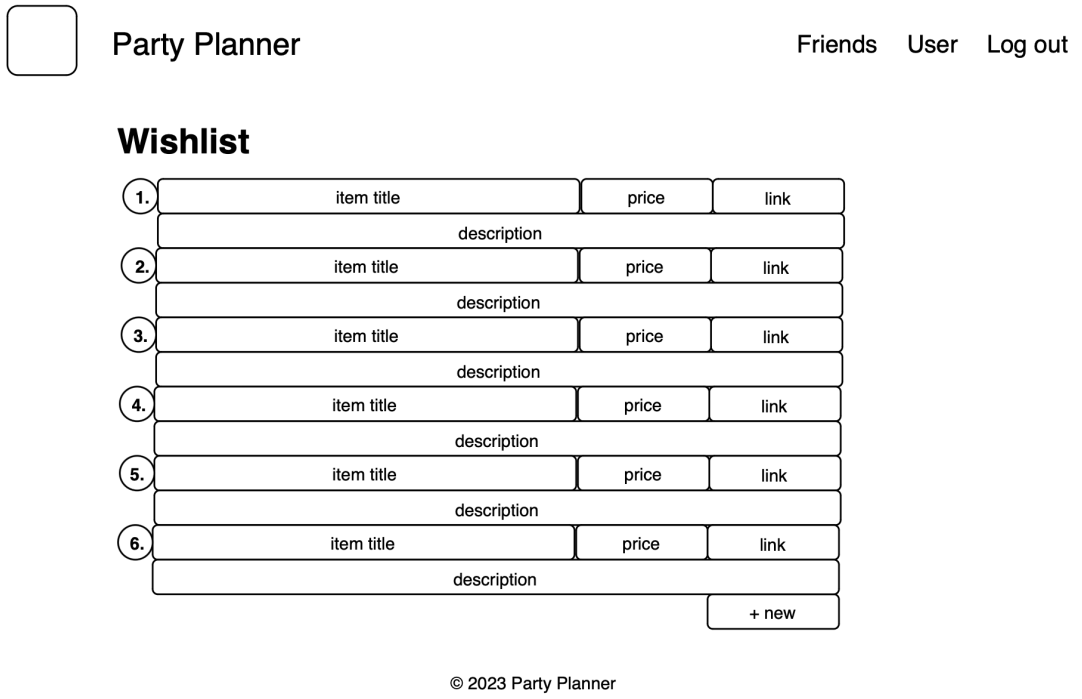


Figure 8: Wishlist edit page, view for user with organizer role.

4.9 Guestlist edit page

The guestlist edit page allows event organizers to edit list of the guests.

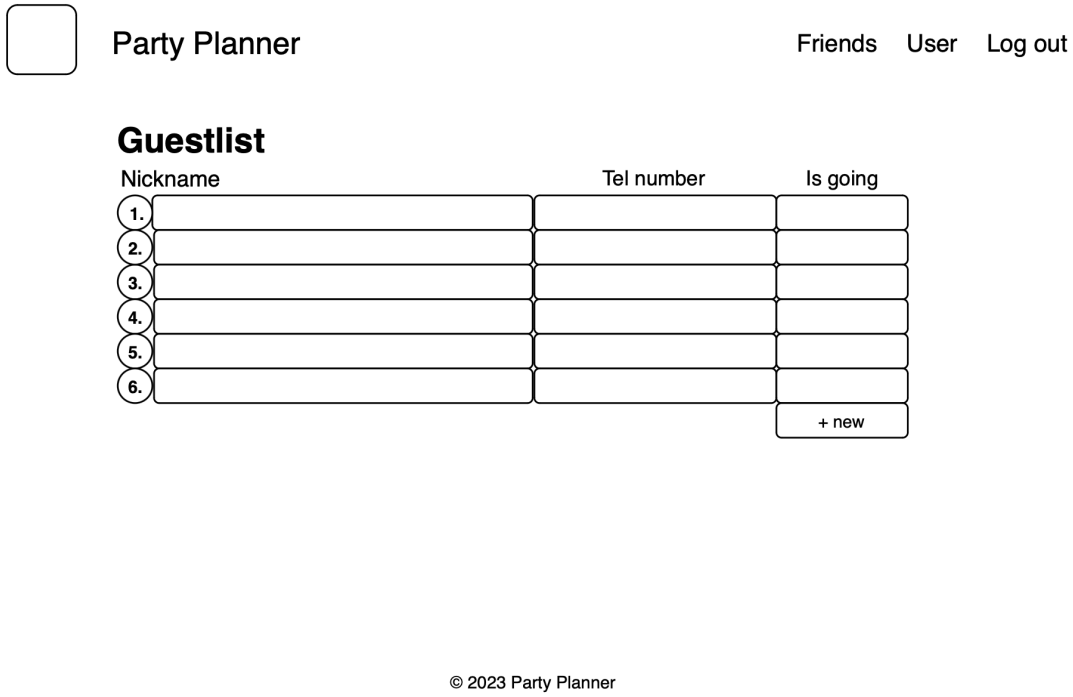


Figure 9: Guestlist edit page, view for user with organizer role.

References

There are no sources in the current document.