

Graphical User Interfaces (EGUI)

2025L

Consultations: Tuesday, 14-16

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Caution: **Only e-mails starting with [EGUI] or [EGUI.A] will be approved!**
all communication regarding the subject should be in private chat to the tutor at TEAMS

Joint organization of trips

- Please write a simple system to joint organization of trips
- A new user can register in the system
- Logged in user can create a trip proposal
 - The tour proposal contains the fields `data` and `capacity` plus additional fields describing the tour (please suggest 3-4 such fields)
 - The person proposing the trip becomes the owner of the trip
 - Only the owner can modify the trip data.
 - Only the owner can grant/take away the right of ownership from another participant (you cannot take it away from yourself) **(required in Task2 only)**
 - Authorisation using JSON Web Tokens should be done in Task 4 (In Task 3 you can just set the user name in the client)
- Every logged in user can see future trips
- Every logged in user can sign up (or unsubscribe) for a future trip, provided that the number of participants does not exceed the value of the `capacity` field

Implementation technology

- Tasks 3 and 4 must be completed using React and ASP.MVC WebApi technology
- CSS support should be implemented using Bootstrap (or equivalents like Tailwind, Materialize...)

Data format

- The data is stored database. Database vendor and the database structure (design) should be done by student
- Access to the database must be done using Entity Framework

Task 3:

- Implementation of user creation/user login; implementation of trip CRUD, no JSON Web Token required
- implementation of registering/unregistering from trips, JSON Web Token, 1 production server configuration!

Task 4:

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