Cases Learning
technical task form

1. Subject

Network service created to find solutions of people cases. The cases are being created by companies (case "creators"). The case solutions are developed thru competition of several teams. Teams are created by regular service users ("participants"). Registration in service and on the project is free and open for everybody willing to compete. Chooses participants ("evaluators") evaluating case's solutions in the end of solution development and choosing best resolve. Winning team receives prizes which creator offers for the case.

2. Roles

There are three roles for this service which was mentioned above:
1. Creator
2. Participant
3. Evaluator

During the registration process user can choose if he wants to be creator or evaluator.

Creators is company representatives. Creators can manage company's cases and it's status. They can open new case, choose whenever they want to start case, manage it's terms and deadlines.

Participants is regular users who's able to respond on creator's cases. To do so they are required to create "team" first three the offered form. Team creator chooses how much people he needs for the team and team's goals.
Any participant can create new teams or apply to join for existing.
Ones team is created leader can apply for any open for registration case.

Evaluators are choosen manually by site administrator and they are responsible for reviewing case solutions once process of creating solution is finished. They are responsible for clear and fair judging of solutions, choosing winning team.

3. Interface and management.

Service is web-based platform accessible thru web. On the web page during the registration process user can choose if he wills to be "creator" or

regular "participant". 3 paged web-site. Main page "blog". Page 2: companies list. Page 3: teams list (visible for logged users).

All users can browse companies in gallery of companies. Inside each company there are sub-gallery of company cases. User can choose what kind of case representation he wants to use: grid or table. Grid form: Under case logo there are it's title and open button. Table form: Name of case, teams in case, status, winner. On click case logo or "open" button opens case description, it's terms, conditions, participating teams, status, winner. After case evaluation period there are button "evaluation" appears which leads to the final decision which represents best solution for the case. Final decision of case is visible for all users.

Logged users can browse teams list presented as a gallery or table. There optional team's logo, button open and button "join" visible for participants.

A. Participants

Regular participants have form (in profile) to create new team. Once team created its founder can apply for any project offered by company on it's case list. To apply he uses button visible only to him which is presented on the table of cases or inside each case. Participants can apply to join any existing not full team. Participants can be members of as many teams as they want. Team creators is responsible for submitting case solution thru form accessible on case page.

B. Creators

Creators have simple form (in profile) for submitting new case for their company. Creators are responsible for management of case deadlines during case-creation: pre-registration period, registration period, competition and evaluation period.

C. Evaluators

Once user is chooses for evaluating specific case, he receives letter (pop-up on front page and letter in profile) and access to review all submitted solutions for specific case. Solutions is presented in case page. He is choosing which team he decides is a winner in competition. For this purpose evaluators have access for specific form (thrue case page) where he chooses winner and provides feedback.

D. Administrator

Service administrator have all privileges to create, edit, update or remove any participant, creator, teams and cases. Administrator have access to users profiles to grant "evaluator's" privileges for specific case.

4. Database structure.

dbdesigner.net

Creators
List of all creators (companies)

	creator_id	integer
	eval_id	integer
	evaluator	boolean

evaluators

	eval_id	integer
	case_id	integer

participants

	partic_id	integer
	eval_id	integer
	evaluator	boolean

team's participants
list of participants on particular team

	partic_id	integer
	team_id	integer

evaluations
evaluators feedback on particular case

	evaluation_id	integer
	eval_id	integer
	case_id	integer

solutions & evaluators
list of solutions visible to particular evaluator

	eval_id	integer
	sol_id	integer

solutions
teams solutions for particular case

	sol_id	integer
	case_id	integer
	team_id	integer

cases

	case_id	integer
	creator_id	integer

teams

	team_id	integer
	team_creator	integer

winners
winning team for specific case

	team_id	integer
	case_id	integer