

# User stories

1. As a new user, I want to create an account with credentials, so that I can access the services provided by the system.
2. As a user, I want to ensure that my information is securely stored, so that no intruder can see my password.
3. As a user, I want to create mzn files, so that I have a model readily available to be solved by the system.
4. As a user, I want to create dzn files, so that I can attach an external data file to a model.
5. As a user, I want to update mzn files, so that I can make changes to already created models.
6. As a user, I want to update dzn files, so that I can make changes to already created data files.
7. As a user, I want to delete mzn files, so that I can remove created models from my account.
8. As a user, I want to delete dzn files, so that I can remove created data files from my account.
9. As a user, I want to see a list of solvers offered by the system, so that I can choose a solver to solve the model.
10. As a user, I want to be able to specify if the solver should find all solutions, so that I can see all possible results.
11. As a user, I want to be able to instruct the solver to conduct a free search, so that I can ignore any search annotations.
12. As a user, I want to be able to specify how many vCPU's the solver should use, so that I can control the computational resources used.
13. As a user, I want to be able to specify how much memory the solver should use, so that I can control the memory usage.
14. As a user, I want to be able to specify the time limit, so that I can ensure that the solver does not run for too long.

15. As a user, I want to be able to execute a solver on a model (and optional data file) with specific options.
16. As a user, I want to see the results of an execution of a solver.
17. As a user, I want to be able to choose multiple solvers with specific specifications so that I can see which solver finds the result first on a given model and datafile.
18. As a user, I want to be able to see if my execution is terminated, so that I know when to see a result.
19. As a user, I want to be able to see which solver found a solution first, so that I can see which one is fastest.
20. As a user, I want to be able to terminate an execution, so that I don't waste resources if the result is not needed.
21. As an administrator, I want to be able to monitor the system, so that I can see if any problems arise.
22. As an administrator, I want to be able to access the logs of the platform, so that I can see what has been done in case of failure.
23. As an administrator, I want to be able to kill all executions by a user, so that I can prevent the system from crashing in case something unexpected happens.
24. As an administrator, I want to be able to control how many resources a user has, so that I can control the overall resource usage.
25. As an administrator, I want to be able to delete a user, so that the user cannot access the system any more.
26. As an administrator, I want to be able to add a solver, so that additional solvers can be made available for users.
27. As an administrator, I want to be able to remove a solver, so that I can prevent users from executing it.