CS 361 – Software Engineering

Kanban

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Agenda

- Kanban agile development
- Trello
- User story definition
- Creating a Trello board
- Creating user story

Kanban agile development

- Kanban is a popular framework used to implement agile software development in order to combine the works.
- It needs **communication** of capacity and full **transparency** of work in real time.
- Each work item is showcase **visually** on a Kanban board allowing each member of the team to see the progress of each piece of work at any time.
- The principles of Kanban allows a team to match the amount of work in progress to a team’s capacity.

Trello

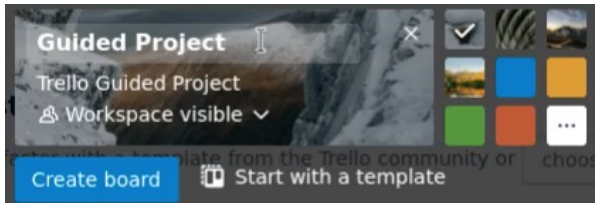
- Trello is used to monitor the team’s workload.
- It is a project management collaboration tool that organizes all the projects into boards.
- It provides full transpanrency of project, what is being worked, and who was working on a particular of work.
- Trello is friendly to new uses, provides responsive design, and updates in real time.
- It utilized Kanban methodology to breakdown the task.
- Trello is a visual tool that is used to visualize work and optimize the flow of the work amongst the team.

User story definition

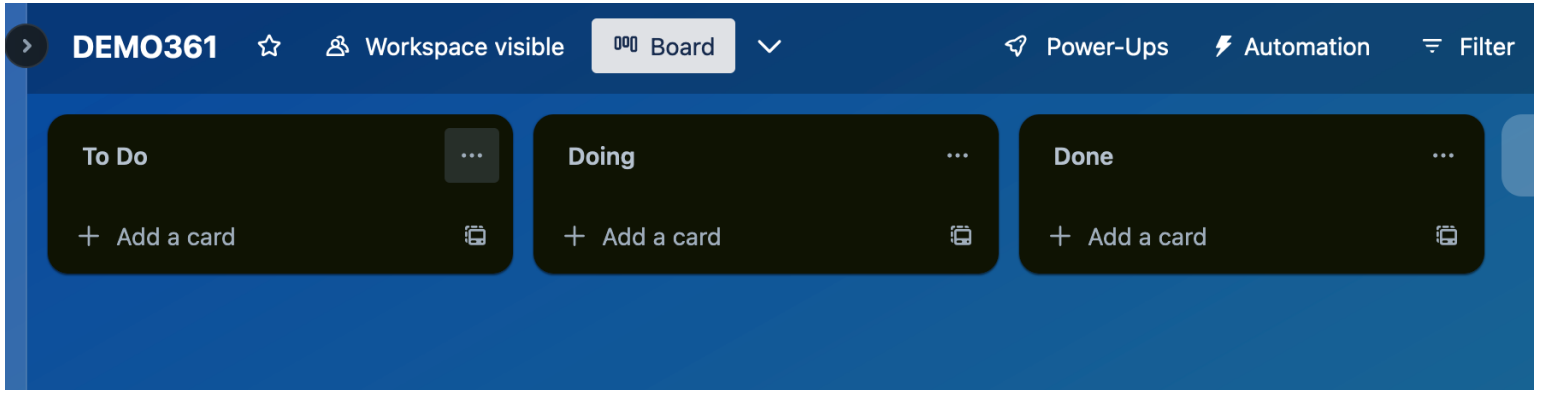
- A user story is the simplest form or an informal general explanation of a software feature which is described from the perception of an end user.
- Its purpose is to outline of how the software feature will provide value to a customer.
- For example, a manager wants to be able to understand his colleague’s process, so he can better report his successes and failures to stakeholders.

Creating a Trello board

1. Login
2. Select “Create new board”
3. Give a board title > Select “Create board”

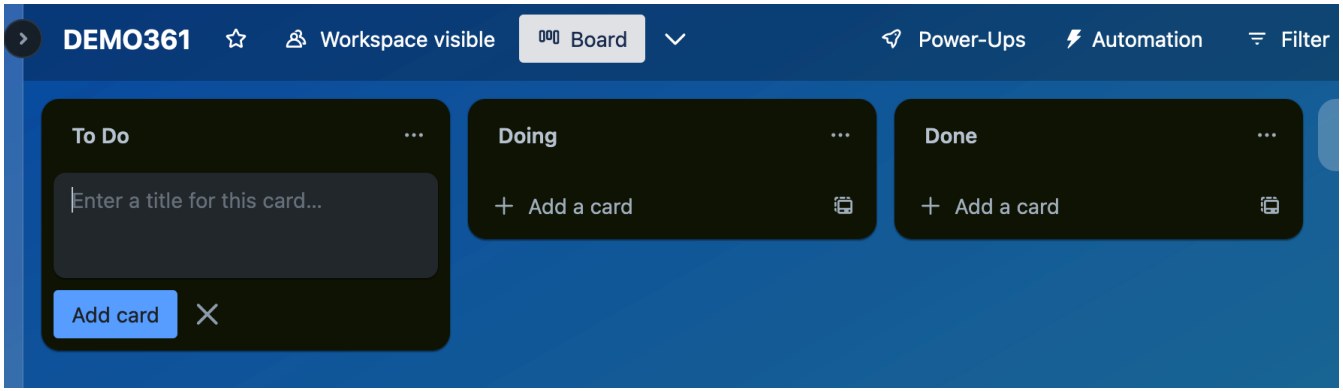


4. To Do/Doing/Done has popped up



Creating a Trello board

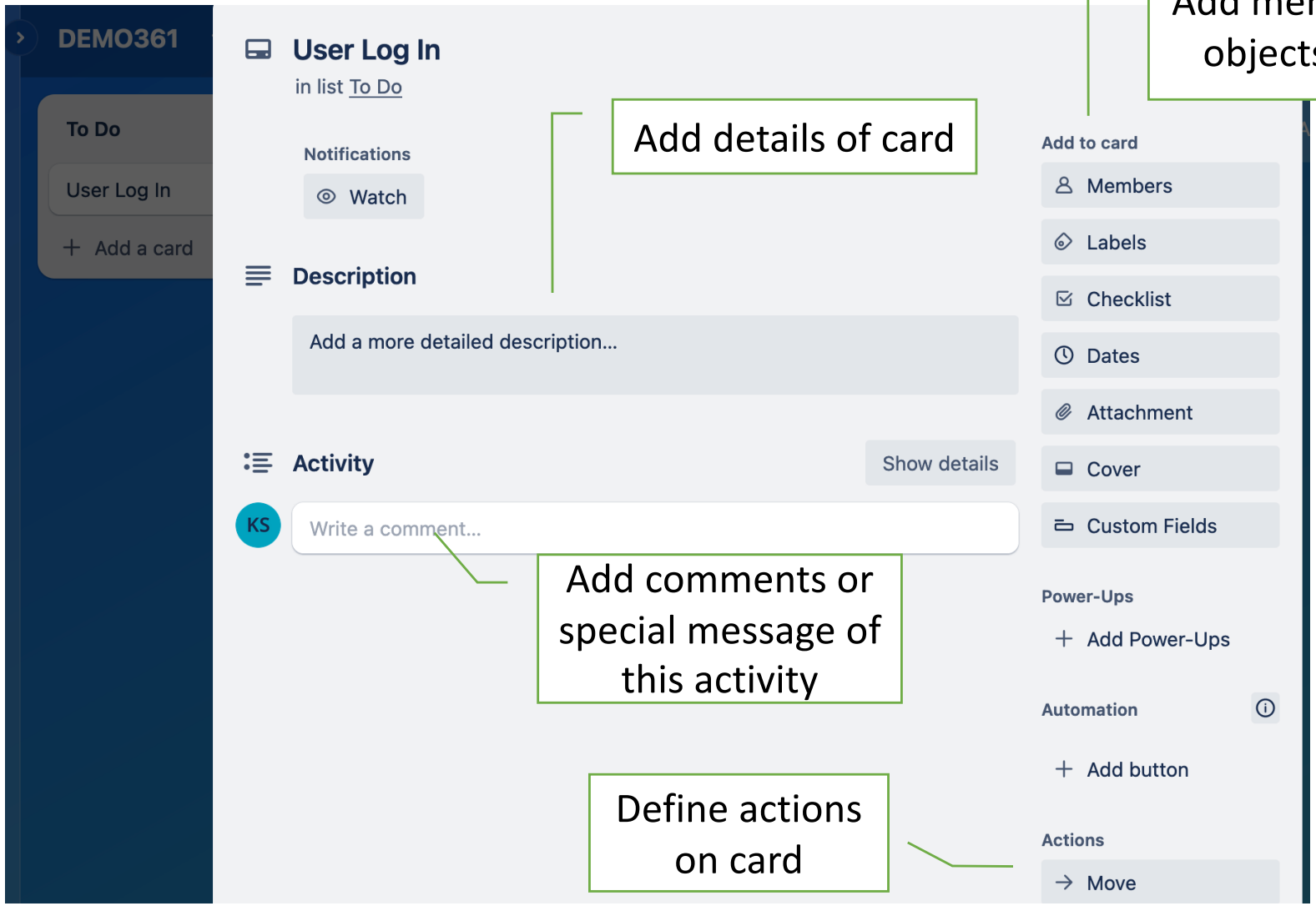
5. Add work items in Todo > Select “Add card”



6. Select work items from “To Do” to “Doing” (It means that user chooses some works from backlog to do.)
7. Select work items from Doing to Done (It means that user has finished those works.)

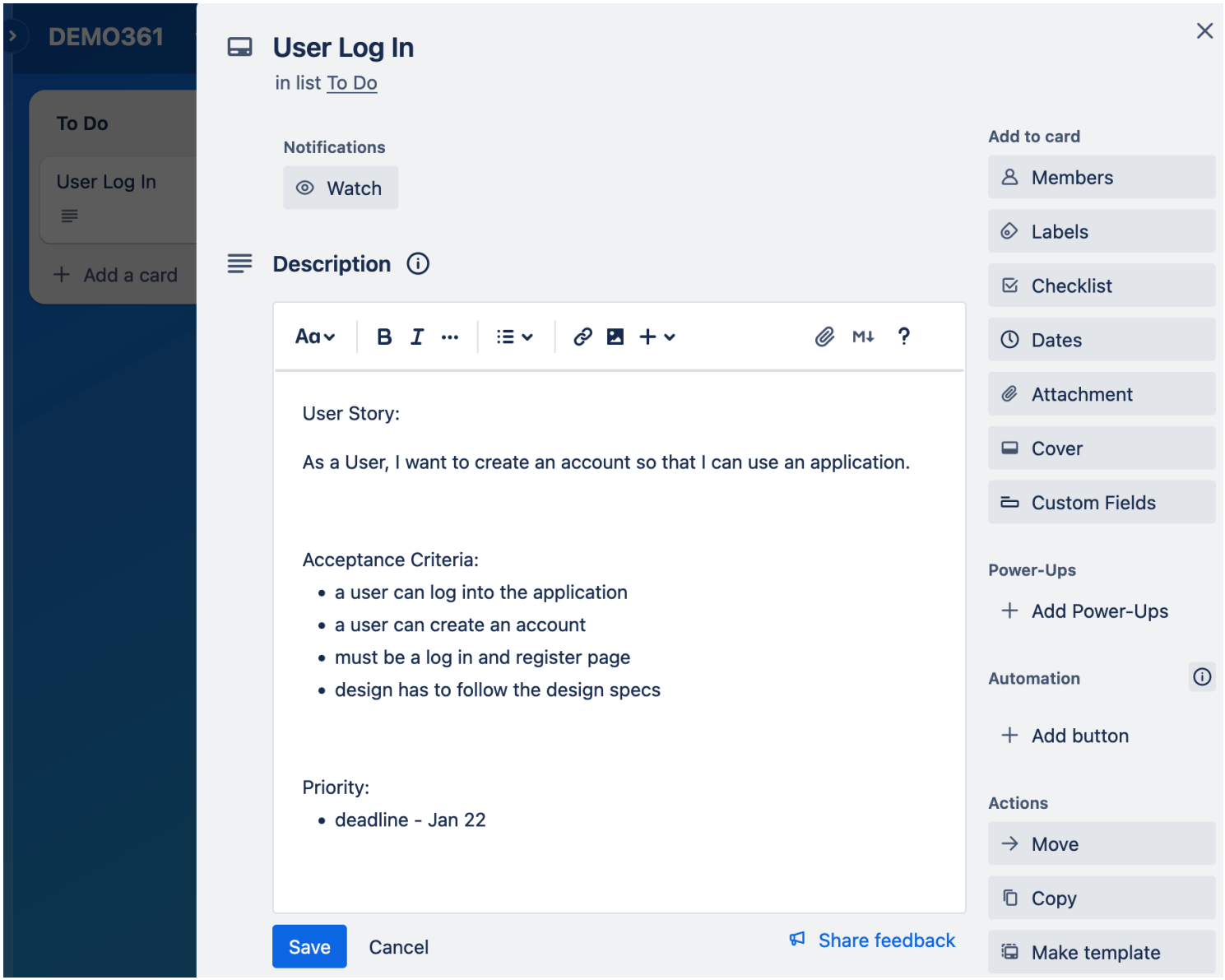
Creating user story

1. Add a card on To Do > Give a card title
2. Give a card information



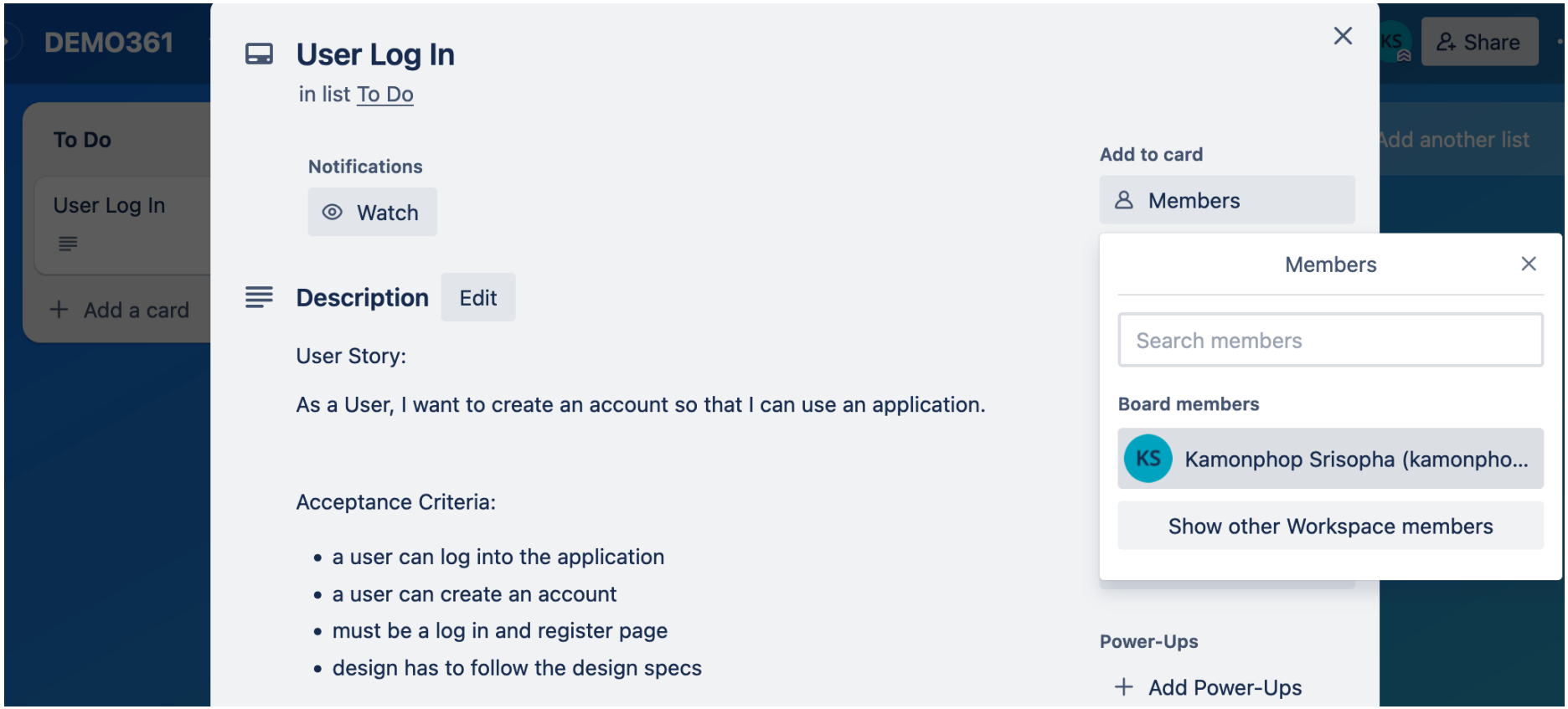
Creating user story

3. Add a card description



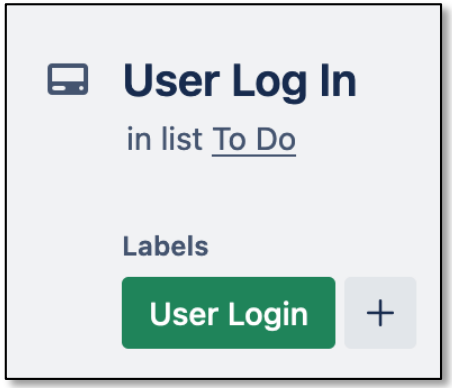
Creating user story

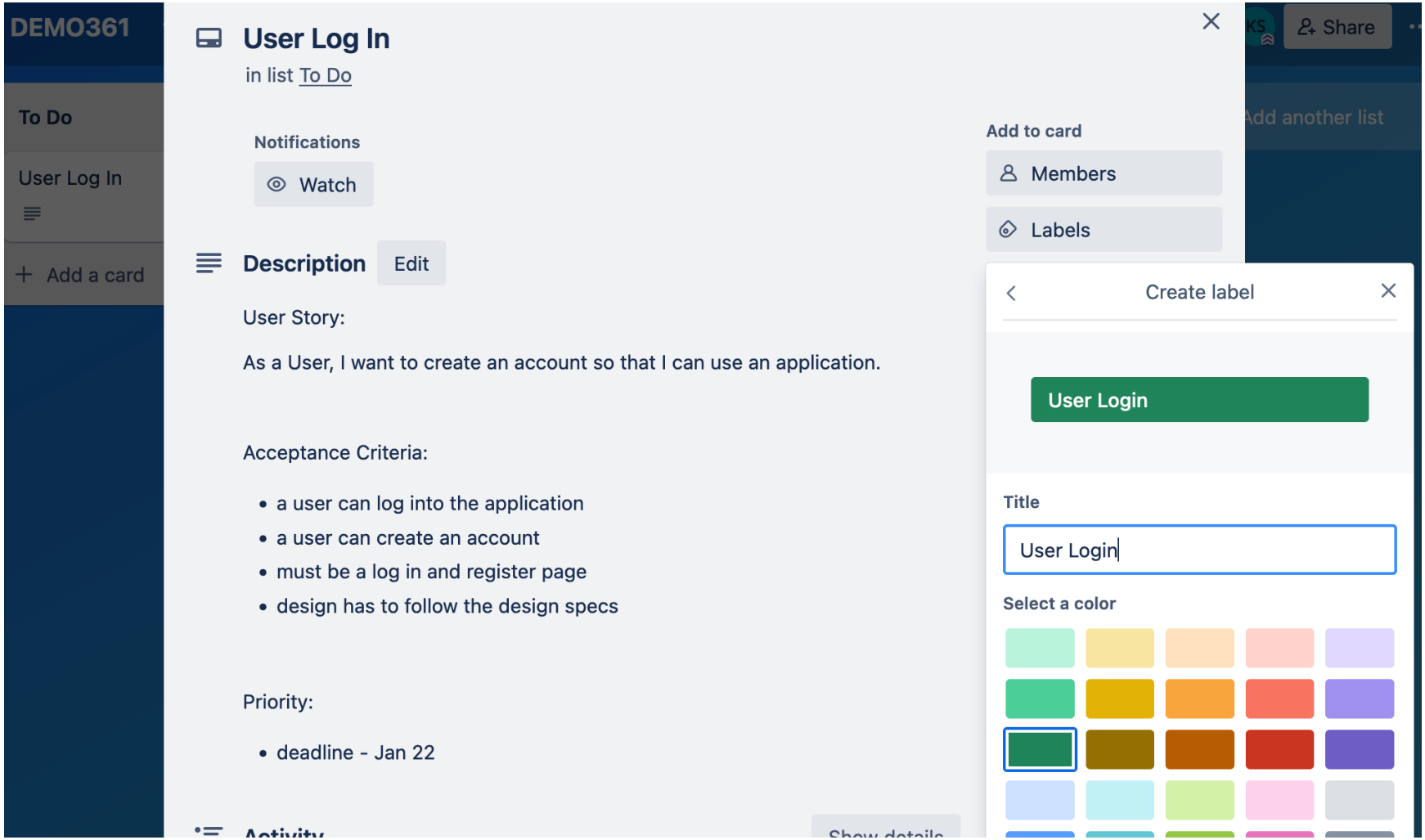
4. Add members to card



Creating user story

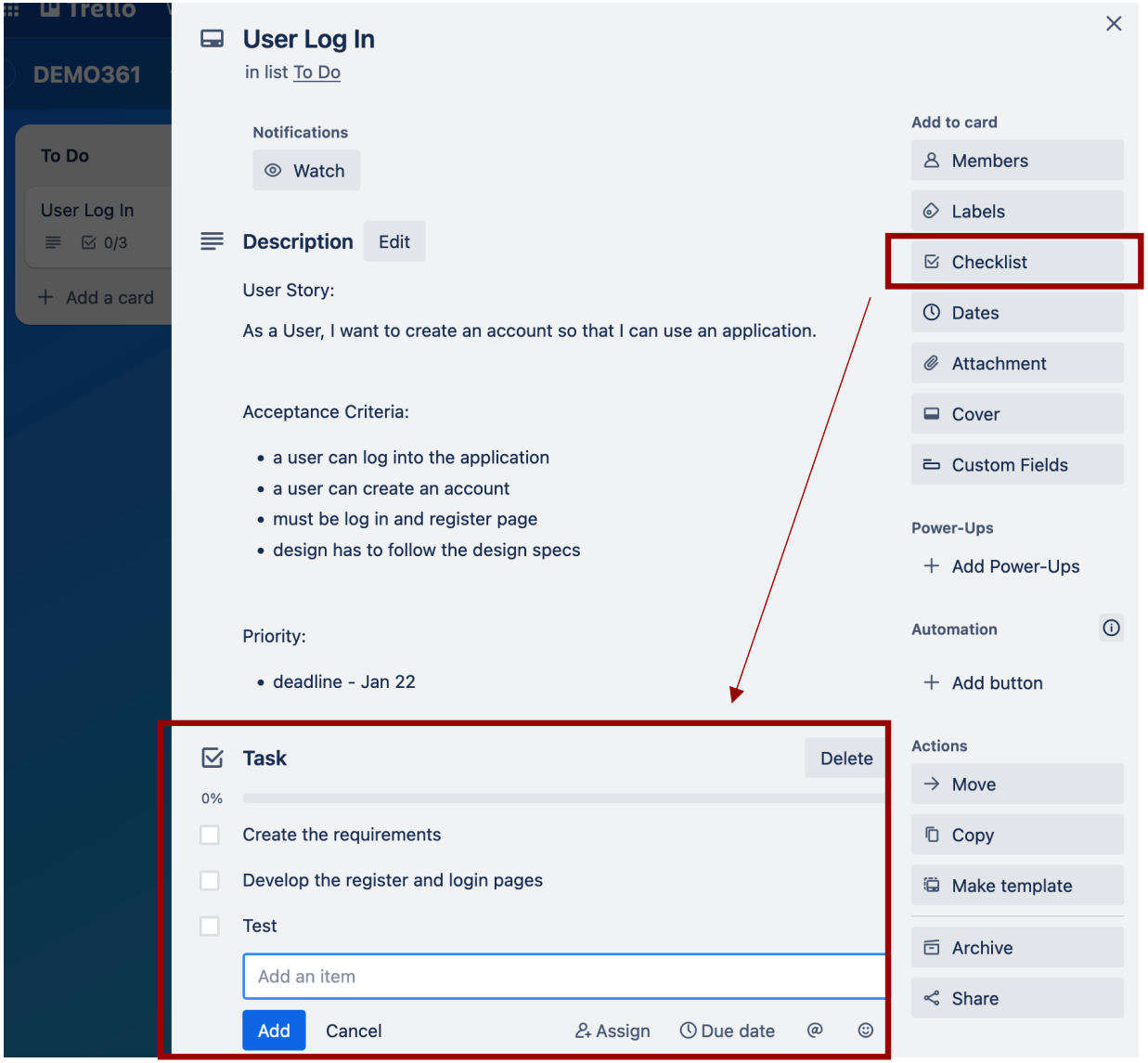
5. Add label to card





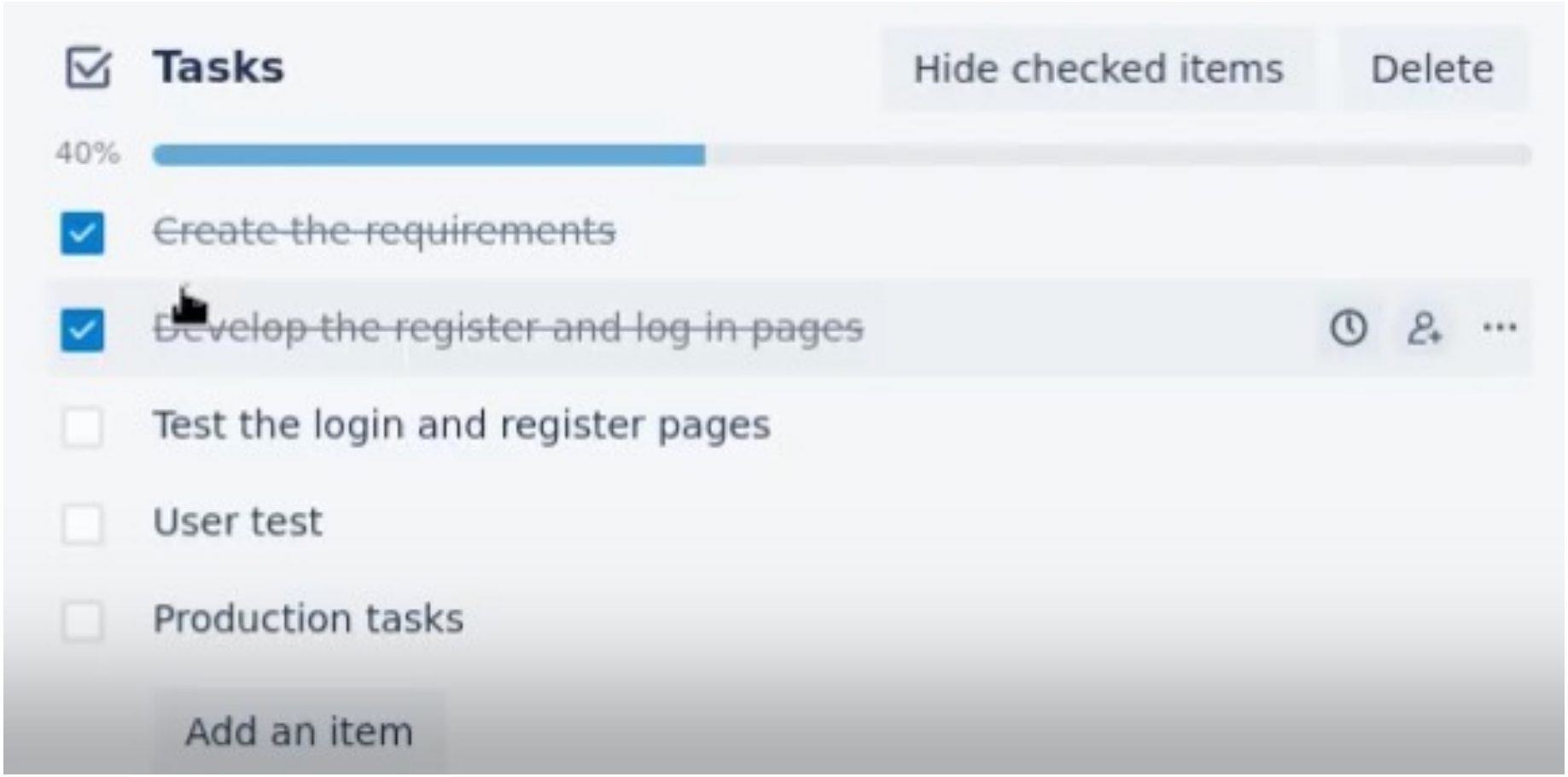
Creating user story

6. Add tasks to card



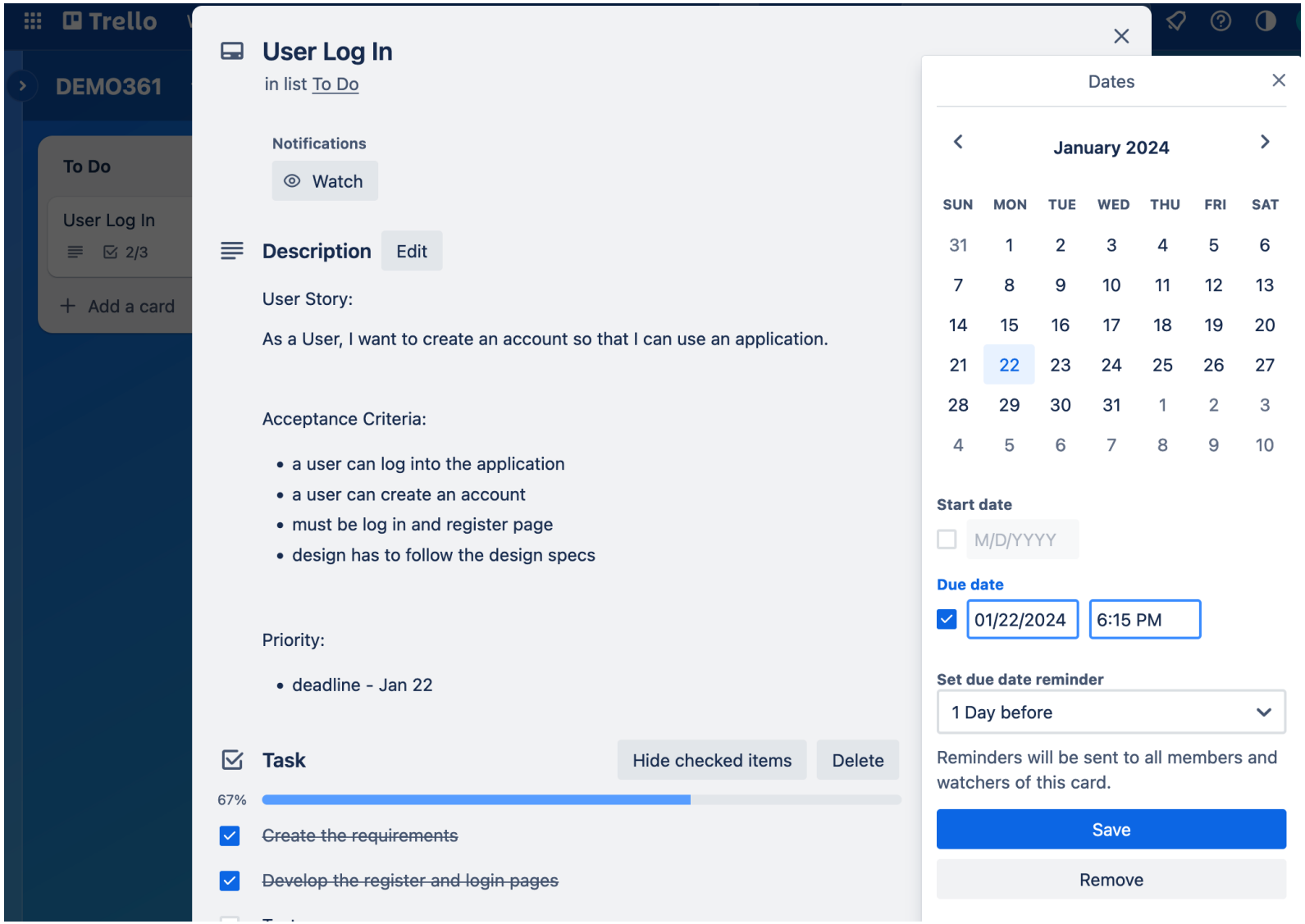
Creating user story

7. Add check list of tasks, due dates, and members to take care of each tasks



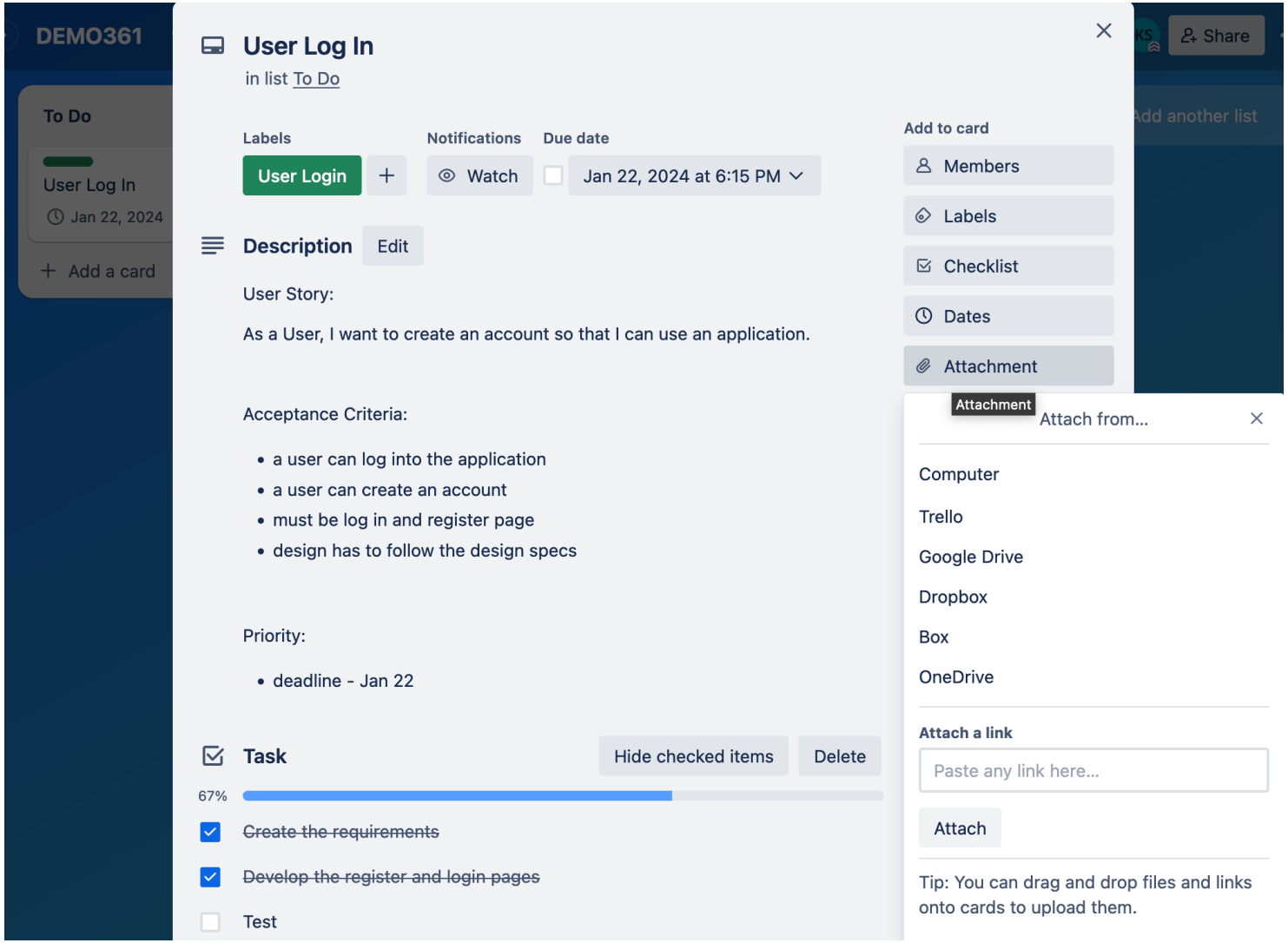
Creating user story

8. Add due dates to card



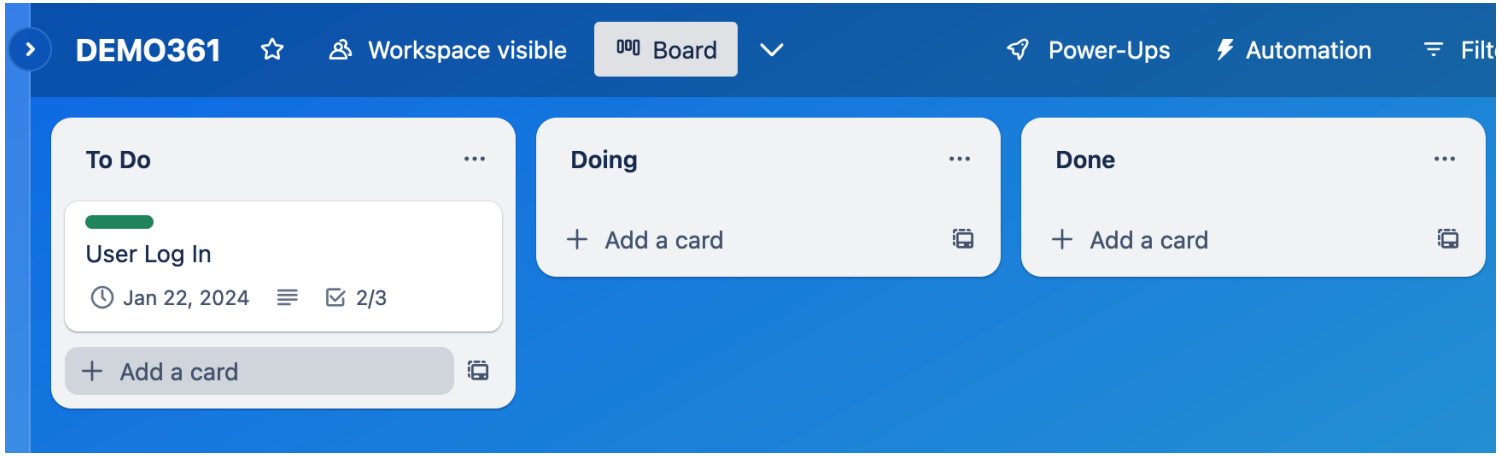
Creating user story

9. Add attachment to card

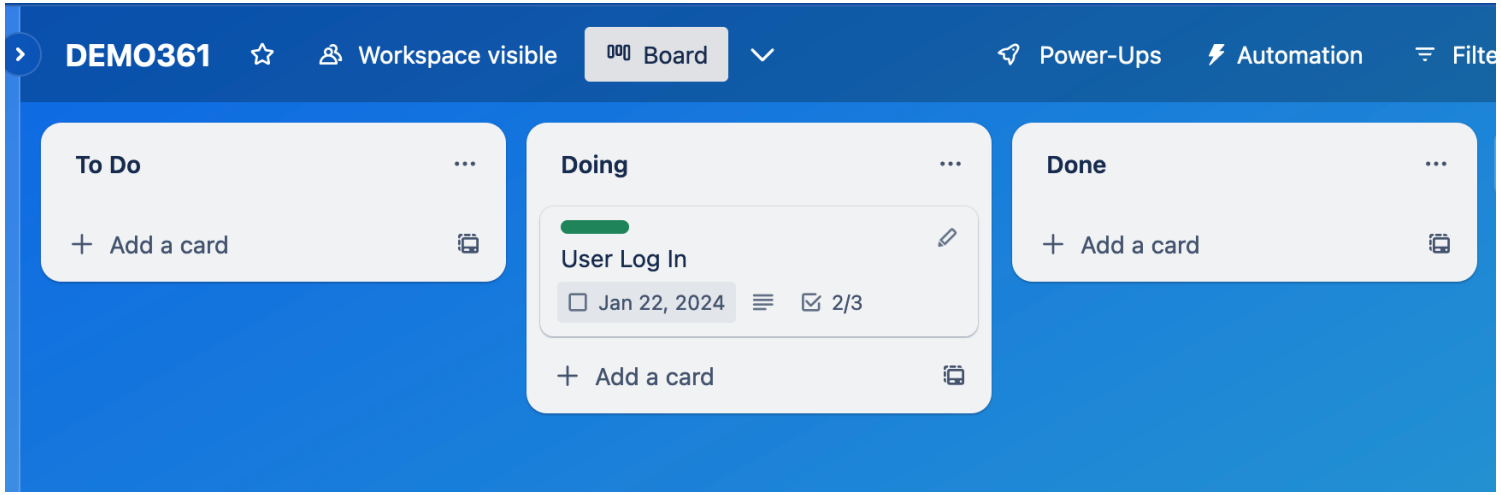


Creating user story

10. Final card



Moving the card to “Doing”



Questions ?