# 2024/25 Project Specs

- A website for wannabe novelists

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- Users can upload their novels, and read the ones by the other users

- When uploading a novel, the user can decide whether it's premium or not

- Only premium users can read premium novels
  - Ideally, a user becomes premium if he pays the site manager, which in turn gives a reward to the authors. But you don't have to implement this part.

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- Before logging in, users can see or read nothing

- Users can self-register by choosing their username and password

- Users log in with username/password

- Users can recover their account in case they forget their password

- The administrator user has a panel to change users' privilege from non-premium to premium and vice versa

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- A novel can be uploaded in two forms: short story or full-length novel

- Short stories are uploaded as text, and displayed directly on users' browsers

- Full-length novels are uploaded by PDF files, and downloaded by users

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- All the attacks presented during the course must be defended, with redundant defenses in case

- All events useful for post-incident investigation must be logged
  - You don't have to implement real-time attack alerts

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- Use PHP and MySQL for the back-end logic
    - You can use PHP libraries for specific purposes
- Use HTML and Javascript for the front-end logic
- Do not use frameworks (Node.JS, React, Express, Angular, etc.)
- Use HTTPS (a fake CA is ok)
- Email sendings must be real, not simulated