

## User Stories.

1. As a user, I want students to be given priority for reservations based on their grades or GPA when booking a particular space so that academic effort can be rewarded with an advantage over others.
  - a. The system must allow students with higher GPAs to receive priority when booking spaces.
  - b. The reservation system must verify and apply GPA-based prioritization automatically.
  - c. Users must be notified if their reservation has been prioritized or if they do not meet the GPA criteria.
2. As a user, I want the website to include an interactive map and an interactive list of university spaces (where users can select the type of space they want, see a list of available ones, and have them displayed on the map) so that people can navigate the university more easily due to its large number of buildings and complexity.
  - a. The website must provide an interactive map displaying available spaces based on the selected type.
  - b. Users must be able to filter and select spaces from a dynamic list.
  - c. The system must update availability in real time when a space is reserved.
3. As a user, I want the website to allow me to book the same space weekly if my GPA is higher than 4.5, so I don't have to worry about or remember to book it every week, making the process easier.
  - a. The system must allow students with a GPA above 4.5 to set up automatic weekly reservations.
  - b. The feature must include an option to cancel or modify the recurring reservation at any time.
  - c. The system must notify the user of their upcoming reservations at least 24 hours in advance.
4. As a user, I want the website to allow me to reserve not only sports spaces but also the necessary equipment to use them (such as balls or rackets), so I don't have to bring my own or rent/buy them elsewhere.
  - a. The system must allow users to add equipment to their reservations when booking a sports space.
  - b. The availability of equipment must be updated in real time to prevent double booking.
  - c. Users must receive a confirmation specifying the equipment they reserved.
5. As a user, I want the website to have a feature that allows me to reschedule or cancel my reservation if I can't attend, so that the space can be used by others and doesn't go to waste.
  - a. Users must be able to reschedule or cancel reservations through the website before the reservation time.
  - b. The system must release canceled spaces for other users to book.
  - c. Users must receive a confirmation when rescheduling or canceling a reservation.
6. As a user, I want the website to implement a penalty system for students who book a space but don't use it, to prevent this type of situation from happening repeatedly.
  - a. The system must track users who book a space but fail to check in.
  - b. After a certain number of no-shows, users must receive a temporary suspension from booking.
  - c. Users must be notified of penalties via email or in-app notifications.

7. As a user, I want the website to have a "profile" section where I can see all the information related to my account, such as past and pending reservations, so I can manage and organize my information properly.
  - a. Users must have access to a profile section displaying past and upcoming reservations.
  - b. The profile must allow users to cancel or reschedule upcoming reservations.
  - c. The system must keep a history of reservations for at least the past three months.
8. As a user, I want the website to allow me to add my reservation directly to the calendar of my choice (Google, Apple, etc.) when booking a space, so I can keep track of my schedule and avoid missing my reservation.
  - a. Users must be given the option to add their reservation to an external calendar (Google, Apple, etc.) upon booking.
  - b. The system must generate a calendar event with the correct date, time, and location.
  - c. Users must be able to remove or modify the event from their calendar if the reservation is changed or canceled.
9. As a user, I want the website to have a feature that allows me to share a reservation with other users, so that when I make a reservation, it is also added to the profiles of all selected users, allowing for easier and more organized management.
  - a. The system must allow users to invite others to a reservation when booking a space.
  - b. All invited users must receive a confirmation and see the reservation in their profiles.
  - c. Users must be able to remove participants or modify shared reservations.
10. As a user, I want the website to allow me to make multiple reservations at once, meaning that after booking a space, I am given the option to book another one, making my experience more convenient when using the system.
  - a. After booking a space, the system must prompt users with an option to make another reservation.
  - b. The system must allow users to finalize multiple reservations before confirming all at once.
  - c. The user must receive a summary confirmation of all booked spaces.