







Use Case	Register User
Pre Conditions	<ul style="list-style-type: none"><li>User is currently not registered</li></ul>
Description	<ul style="list-style-type: none"><li>User enters relevant data (first name, last name, birthday, password, mail address, type: student (major) or lecuturer (faculty, title))</li><li>Check for potential duplicate by mail address</li><li>Show confirmation</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>User is registered now</li><li>User data is saved persistently</li></ul>

Use Case	Login User
Pre Conditions	<ul style="list-style-type: none"><li>User is registered</li></ul>
Description	<ul style="list-style-type: none"><li>Users enters login data (mail address and password)</li><li>Validate login data</li><li>Show confirmation and welcome page</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>User is loggedg in and has an active session</li></ul>

Use Case	Manage User
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li></ul>
Description	<ul style="list-style-type: none"><li>User gets formular/page for managing own data</li><li>User changes data of their choice (same relevant data as "Register User"), including deletion of account</li><li>Validate data</li><li>Enter user password for data changes</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>User data is changed</li><li>Changes are stored persistently</li></ul>

Use Case	Manage Premium Features
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li><li>User is student</li><li>User has a bank account</li></ul>
Description	<ul style="list-style-type: none"><li>User gets information about the current state of premium features</li><li>User enables/disables premium features</li><li>User allows/prohibits payment (one time only or as suscription)</li><li>Transaction at bank system is triggered</li><li>Show confirmation</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>User premium status is updated</li><li>Bank is informed</li><li>Change are stored persistently</li></ul>

Use Case	Manage Course Participation
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li><li>User is student</li><li>User has no/failed grade in related module for registration OR</li><li>User is currently enrolled for course</li></ul>
Description	<ul style="list-style-type: none"><li>User gets formular for course registration</li><li>User chooses courses</li><li>User confirms the choices for signing in/out</li><li>Add/Remove Time Order for User in course</li><li>Show Confirmation</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>Course Participation of User is updated</li><li>Time Orders are managed according to updates</li><li>Changes are stored persistently</li></ul>

Use Case	Read and Analyze Statistics
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li><li>User has correct permissions for requested statistic depending on User type and premium features</li></ul>
Description	<ul style="list-style-type: none"><li>User chooses statistic of interest (about themself or global anonymized statistics)</li><li>User gets data about the requested topic as confirmation</li></ul>
Post Conditions	

Use Case	Manage Time Order
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li><li>User has access to own (and own course related) Time Orders</li><li>User is student</li></ul>
Description	<ul style="list-style-type: none"><li>User gets overview page about own time orders (with options for create, read, change, delete)</li><li>User edits start/end/both of Time Order</li><li>User confirms changes (if present)</li><li>Show confirmation</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>Time Order data is changed (for create, change or delete)</li><li>Changes are stored persistently</li></ul>

Use Case	Manage Module
Pre Conditions	<ul style="list-style-type: none"><li>User is logged in</li><li>User is lecturer</li></ul>
Description	<ul style="list-style-type: none"><li>User gets overview page about own modules</li><li>User edits Module data</li><li>User confirms changes (if present)</li><li>Show confirmation</li></ul>
Post Conditions	<ul style="list-style-type: none"><li>Module data is changed (for create, change or delete)</li><li>Changes are stored persistently</li></ul>