

**Course name:** *Secure communication over the internet*

**Class:** *FWK23G*

**Semester:** *Autumn semester 2023 and Spring semester 2024*

# BLOG PLATFORM

## INTRODUCTION

Background description, question, delimitation and goals	<p><u>Background:</u> Security is always an important aspect of any application. Students will have the opportunity to develop a simpler blog application that uses modern methods to communicate over the internet.</p> <p>The task also prepares the students for the next part of the submission task as the security requirements increase.</p> <p><u>Goal:</u> Create a simpler application that uses modern methods of security. For example, salting and hashing of passwords and token-based session management.</p> <p><u>Limitation:</u> The blog only needs to contain text and title.</p>
Why should you do this work?	<p>_____</p> <p>Purpose: • Learn to manage passwords. • Learn to manage different privileges</p>
What will you deliver?	<p>The following must be delivered:</p> <p>1. Link to a public GithubRepo</p> <p>In the report, it must be clear to the teacher:</p> <ul style="list-style-type: none"> <li>• Which users exist and their passwords. • How I recreate your database. Two suggestions regarding Redis: <ul style="list-style-type: none"> <li>• Write a file 'commands.redis' where all SETs are separated with a new line between each command •</li> <li>Use SAVE and submit the .rdb file in the submission on LearnPoint</li> </ul> </li> <li>• Which dependencies are used. Therefore put all dependencies in package.json</li> </ul>

## YOUR PROJECT TASK

What will you do?	<p>Your task is to create a blog. In the blog you can see the blog posts of different users. All users should see in their feed the various blog posts and who has created them. The blog posts only contain text and a title.</p>
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	<p>Requirement</p> <p>[G] Each user can log in with a unique username and password.</p> <p>[G] The password is saved hashed and salted in the database.</p> <p>[G] The page should remember who you are - if you open the page again, you should still be logged in. Within a reasonable time frame of course. It should also say up in the right corner "logged in as {username}".</p> <p>[G] The application can be started without problems.</p> <p>[G] The blog posts are in a database and not hardcoded.</p> <p>[G] Each blog entry must state who wrote it.</p> <p>[G] Each blog post must have a date and time attached to it.</p> <p>[VG] Each user can post blog posts themselves via a form.</p> <p>[VG] Each user can delete their own posts. _____</p>
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## SUBMISSION AND ACCOUNTING

Submission	Submission takes place via Learn Point <b>15 January 23.59</b>
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## ASSESSMENT AND FEEDBACK

Assessment takes place against the following grading criteria:	<p>The grading criteria for Pass and Pass with Distinction are:</p> <p><b>Passed (G)</b> To receive the grade Passed (G), the student must have completed the course and achieved all course objectives.</p> <p><b>Well Passed (VG)</b> In order to receive the grade Well Passed (VG), the student must have completed the course and achieved all course objectives. The student must also be able to conduct well-founded and nuanced reasoning and be able to make well-founded and nuanced assessments regarding the application of the methods and tools included in this course.</p> <p><b>Approved</b></p> <ul style="list-style-type: none"> <li>• All G requirements from the requirement specification are met.</li> </ul> <p><b>Well approved</b></p> <ul style="list-style-type: none"> <li>• All VG requirements from the requirements specification are met.</li> </ul>
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**JENSEN** yrkeshögskola  
TRÄNING FÖR VERKLIGHETEN

Feedback

The groups receive written feedback via the learning platform LearnPoint **by the 29th at the latest January**