

**1a. Models****Weight: 75%**

Explain the use of models in your project – including

- Purpose, content and relationship
- Connection to Java code.

**1b. Organizational implementation of IT systems****Weight: 25%**

Explain the resistance that might exist to the introduction of IT systems.

Explain barriers to successful introduction of new it-systems for various stakeholders.

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**2a. Java programming against the database****Weight: 75%**

Explain the use JDBC to communicate with the database from the Java program

**2b. Roles and co-operation****Weight: 25%**

Describe your experience with use of Scrum roles and co-operation during the project.

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**3a. Error handling****Weight: 75%**

Explain error handling in your project – including

- In Java - e.g.
  - handling of user input
  - Exceptions
- In the database - e.g.
  - foreign keys

**3b. Sprint Backlog****Weight: 25%**

Describe the sprint backlog in your project including

- Dashboard
  - tasks
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**4a. Java code and matching models****Weight: 75%**

Review the Java code for a user story

- include at least one of your design diagrams

**4b. Business modelling****Weight: 25%**

Explain your business modelling (goal/vision)– including

- how diagrams relate to the subsequent system development

**5a. Web technologies****Weight: 75%**

Explain the use of jsp and servlets in your project - including

- Architecture
- Request- and Response object
- Session object

**5b. Domain Model****Weight: 25%**

Explain purpose and content

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**6a. Design principles****Weight: 75%**

Explain the use of OO design principles in your project

- e.g. Coupling, Cohesion, Layering and Facade
- Include relevant diagrams and Java code

**6b. Planning and controlling the project****Weight: 25%**

Review the estimation and ranking of user stories in your project

- Why and how?
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**7a. Data consistency****Weight: 75%**

Explain how data consistency is preserved in your program - include

- Transactions
- Primary - and Foreign keys
- show an example of the above from your project

**7b. Deployment and security****Weight: 25%**

Explain your security considerations for your deployment, especially

- MySQL user types and rights
  - What is the role security of your system in relation to the system's business role.
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**8a. Database design****Weight: 75%**

Explain the relational schema in your project - including

- connection between tables and Java classes (mapping)
- ensuring consistency of data
- handling of database errors in the java program

**8b. Requirements****Weight: 25%**

Explain user stories, including how acceptance criteria (how to demo) are used in sprints.

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**9a. SQL to query a Database****Weight: 75%**

Explain the use of SQL to query the database in your project

- Select
- present Java code to execute SQL statements

**9b. Iterative development****Weight: 25%**

Explain the core principles in SCRUM - including

- how one of the sprints in your project was carried out
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**10a. SQL for changing a database****Weight: 75%**

Explain the use of SQL to change the database in your project

- create tables and change table content
- present Java code to execute SQL statements

**10.b Git and github****Weight: 25%**

Explain how you have been using Git in your project,

- how the branches is used during development
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**11a. Test****Weight: 75%**

Explain test activities in your project - including

- definition of test cases
- execution of tests – including Java code for JUnit test

**11b. Sprint activities****Weight: 25%**

Explain how you carried out sprints in your project - including

- breaking down user stories into tasks, daily scrum meetings and sprint reviews
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