

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one partially covering the green one.

Student self-organization

Team 2 Service 5



Gliederung

1. Mitglieder
2. Aktueller Stand
3. Weiteres Vorgehen



Mitglieder

- Felix Zwicker (DevLead)
- Friedemann Taubert
- Jenny Wagner
- Tim Eisenberg
- Maximilian Keller

Aktueller Stand

- erster JDBC-Controller
- Exception von Java 1
- Sortierfunktion durch Comparator



```
public class jdbcStorageController {

    private static final String TABLE_NAME_ELEMENT          = "ELEMENT";
    private static final String TABLE_ELEMENT_COLUMN_ID     = "ELEMENT_ID";
    private static final String TABLE_ELEMENT_COLUMN_TITLE  = "TITLE";
    private static final String TABLE_ELEMENT_COLUMN_CONTENT = "CONTENT";
    private static final String TABLE_ELEMENT_COLUMN_AUTHOR  = "AUTHOR";
    private static final String TABLE_ELEMENT_COLUMN_DATE    = "DATE";

    private static final String TABLE_COLUMN_CREATED        = "CREATED";
    private static final String TABLE_COLUMN_MODIFIED       = "MODIFIED";

    private static final String CREATE_ELEMENT_TABLE =
        "create table " + TABLE_NAME_ELEMENT + " (" +
            TABLE_ELEMENT_COLUMN_ID + " bigint primary key auto_increment," +
            TABLE_ELEMENT_COLUMN_TITLE + " varchar(255)," +
            TABLE_ELEMENT_COLUMN_CONTENT + " varchar(255)," +
            TABLE_ELEMENT_COLUMN_AUTHOR + " varchar(50)," +
            TABLE_ELEMENT_COLUMN_DATE + " varchar(10)," +
        ");";

    private static final String INSERT_ELEMENT =
        "insert into " + TABLE_NAME_ELEMENT + " (" +
            TABLE_ELEMENT_COLUMN_TITLE + ", " +
            TABLE_ELEMENT_COLUMN_CONTENT + ", " +
            TABLE_ELEMENT_COLUMN_AUTHOR + ", " +
            TABLE_ELEMENT_COLUMN_DATE + ", " +
            TABLE_COLUMN_CREATED + ", " +
            TABLE_COLUMN_MODIFIED +
        ") VALUES ( ?, ?, ?, ?, ?, ? );";

    private static final String UPDATE_ELEMENT =
        "update " + TABLE_NAME_ELEMENT + " set " +
            TABLE_ELEMENT_COLUMN_TITLE + " = ?, " +
            TABLE_ELEMENT_COLUMN_CONTENT + " = ?, " +
            TABLE_ELEMENT_COLUMN_AUTHOR + " = ?, " +
            TABLE_ELEMENT_COLUMN_DATE + " = ?, " +
            TABLE_COLUMN_MODIFIED + " = ? where " + TABLE_ELEMENT_COLUMN_ID + " = ?";
```



Weiteres Vorgehen

- Datenbankbindung über JDBC oder JPA realisieren
- Datenbank implementieren
- Funktionalitäten einbauen
 - Datenbank anfordern
 - ganz oder teilweise
 - modifizieren
 - bearbeiten, entfernen
 - Sortierfunktionen
 - Zugriffsberechtigungen?
- Exceptions schreiben



Vielen Dank für eure Aufmerksamkeit