

Obligatorisk opgave nr. 3: Base system.

This assignment is about making a system for a database so that information can quickly and effectively be gathered from set database and be presented for the user of the system.



(Picture: 1 - See source in end of document)

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Class : DAT18C.

Start Date: 29-10-2018

End Date: 31-10-2018

Indholdsfortegnelse / Content

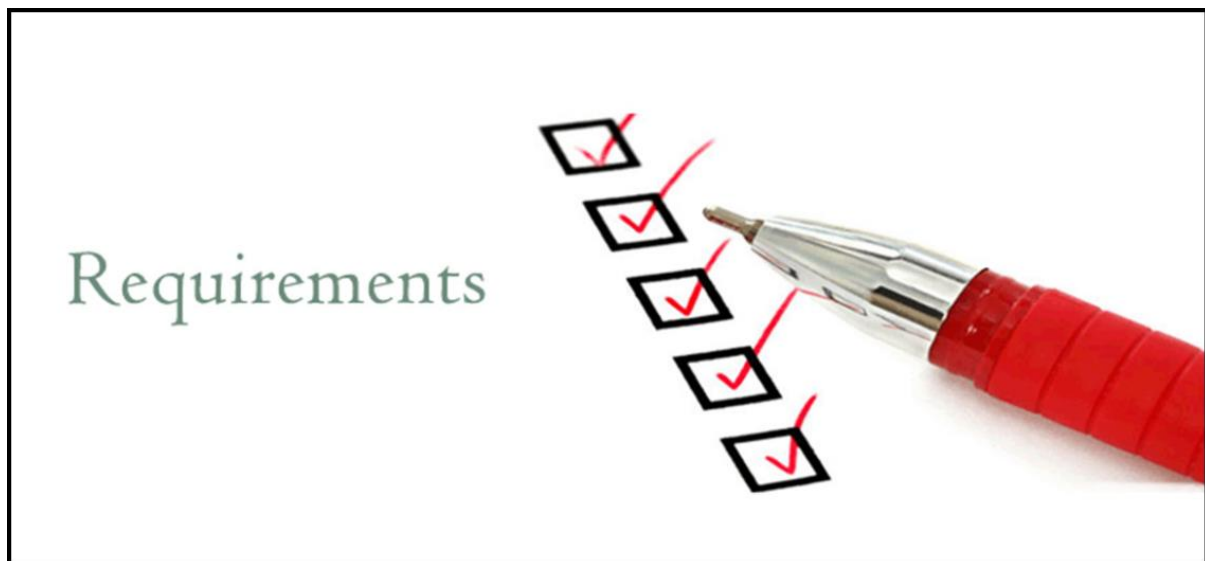
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Vision

Create a search function which can handle CRUD for our database.

Requirements

- Software must assure the uniqueness of Primary Key and take appropriate action if rule is going to be violated.
- Create a new line in table.
- Search for item(s) in table.
- Update existing line(s) in table.
- Delete existing line(s) i in table



(Picture 2: - See source in end of document)

Glossary:

-Search

-Read

Use cases

Use cases:

- Use case 1: Create new entry
- Use case 2: Update entry
- Use case 3: Delete entry
- Use case 4: Search database
- Use case 5: Read Entry.

Use case 1. (Fully dressed)

Title: Create new entry.

Scope: System, database.

Level: User goal.

Primary actors: Admin.

Stakeholders and interests:

- Admin

Main success scenario:

1. Actor picks menuitem; "Create entry" from options menu.
2. Actor picks table.
3. System generates a unique primary key.
4. System asks actor for input according to the table columns.
5. System verifies data types according to corresponding column.
6. User is presented with new data.
7. User confirms new data.
8. A new entry is added to the database.

Extensions:

5a. System declines data.

1. User types item again or cancels new entry.

7a. User declines new data.

1. New entry is deleted.

Use case 2:

Title: Update entry.

Primary actor: Admin.

Precondition: Use case 5.

Main success scenario:

- Actor chooses "Update" from menu.
- Actor inputs data according to the table columns.
- Actors confirms.
- System updates data.

Use case 3:

Title: Delete entry.

Primary actor: Admin.

Precondition: Use case 5

Main success scenario:

- Actor chooses menuitem; "delete".
- Actor confirms deletion.
- System deletes entry.

Use case 4:

Title: Search database.

Primary actor: Admin.

Main success scenario:

1. Actor chooses tables.
2. Actor chooses columns.
3. Actor specifies values.
4. System searches database and displays new pseudo table.

Use case 5:

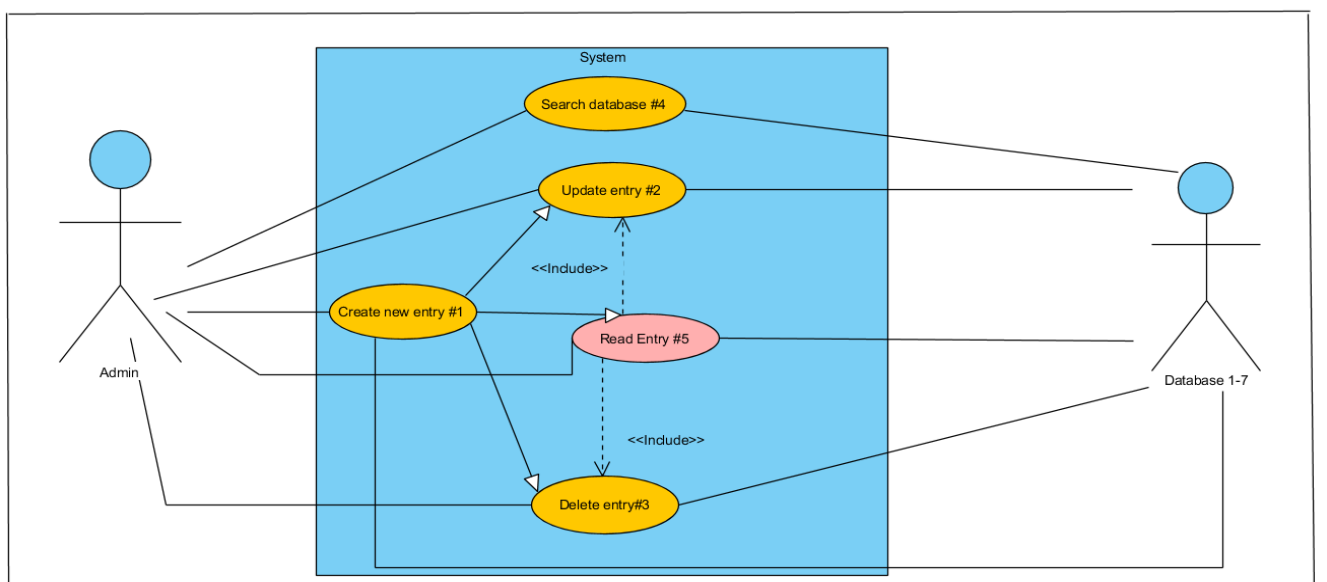
Title: Read entry

Primary Actor: Admin.

Main success scenario:

1. Actor chooses table
2. Actor enters searchterm.
3. System reads from database.
4. System returns entry.
5. System presents Update/delete menu for chosen entry.

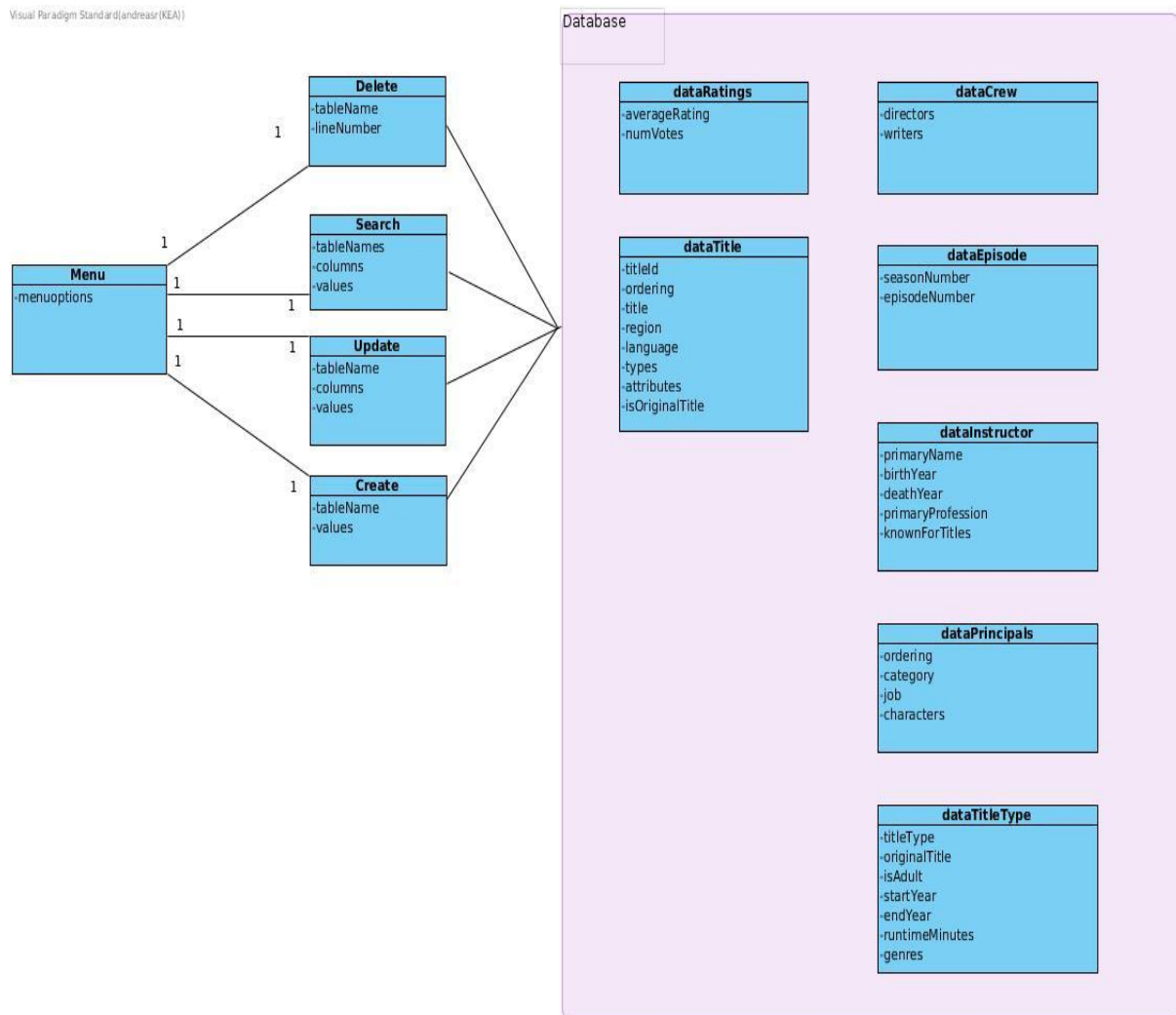
Use case diagram



(Diagram 1: Use case diagram - Source in end of document)

Domain model

Visual Paradigm Standard(andreasr@KEA)



(Diagram 2: Domain Model - Source in end of document)

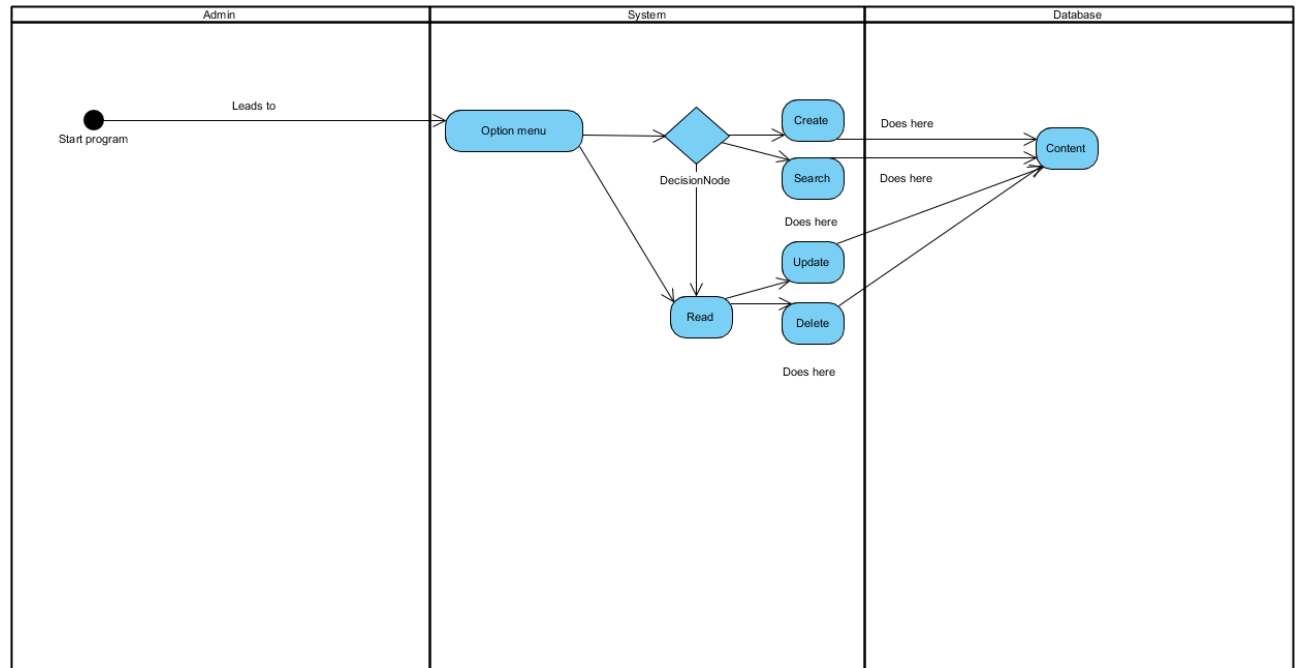
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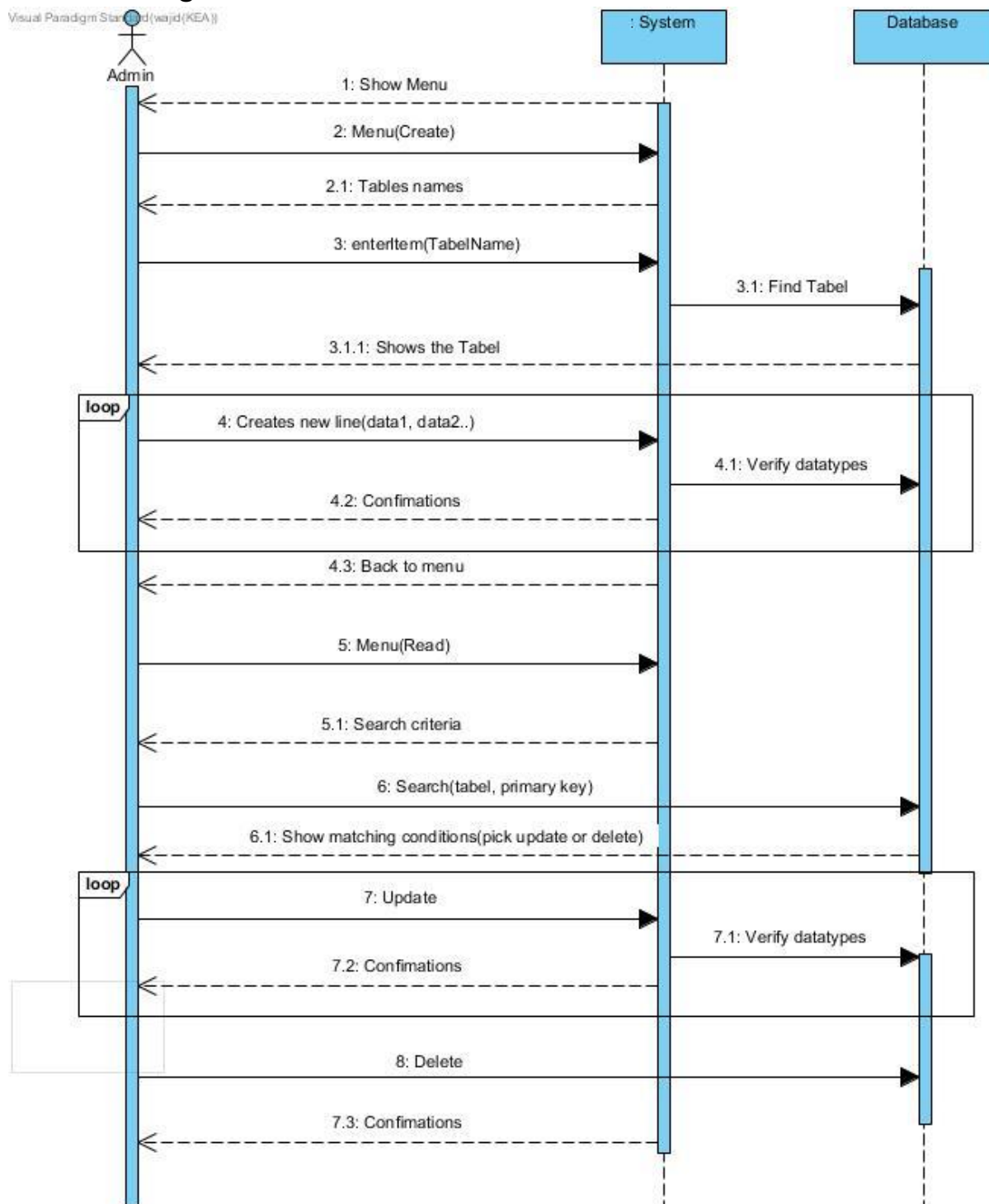
End Date: 31-10-2018

Activity Diagram



(Diagram 3: Activity Diagram- Source in end of document)

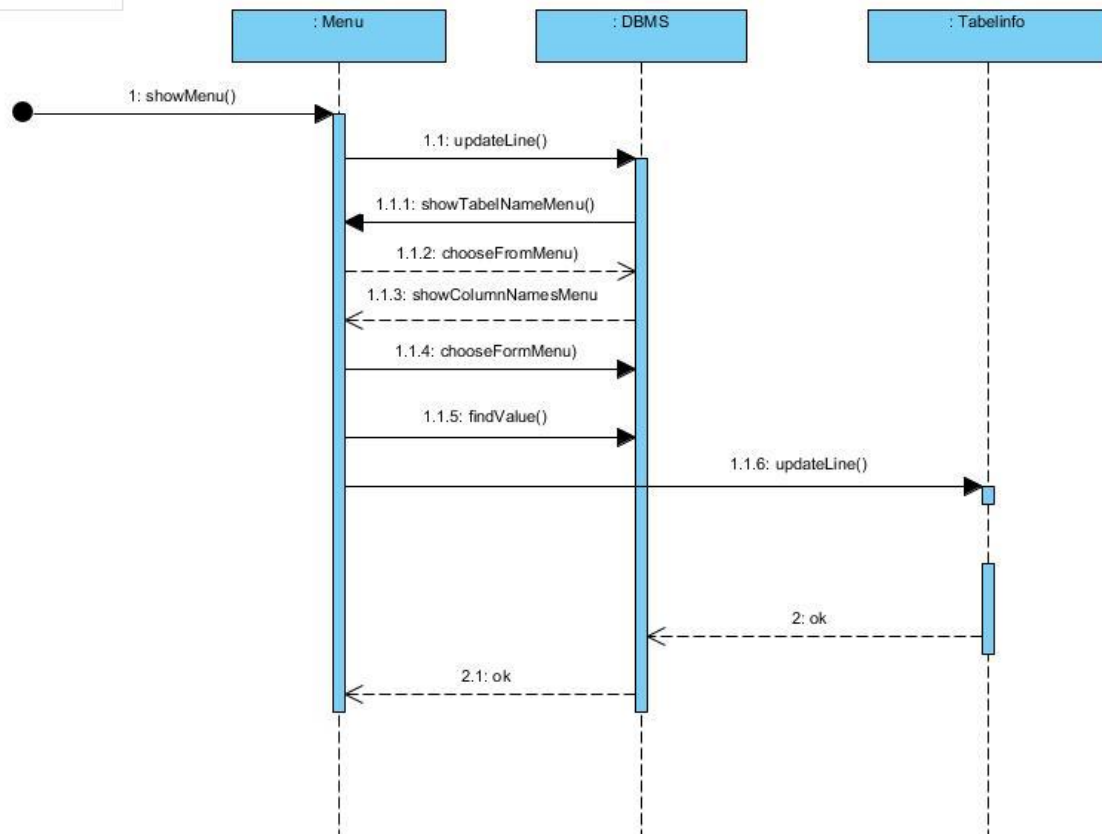
SSD diagram



(Diagram 4: SSD Diagram- Source in end of document)

System Sequence Diagram

Visual Paradigm Standard (wajid (KEA))



(Diagram 5: SSD - Source in end of document)

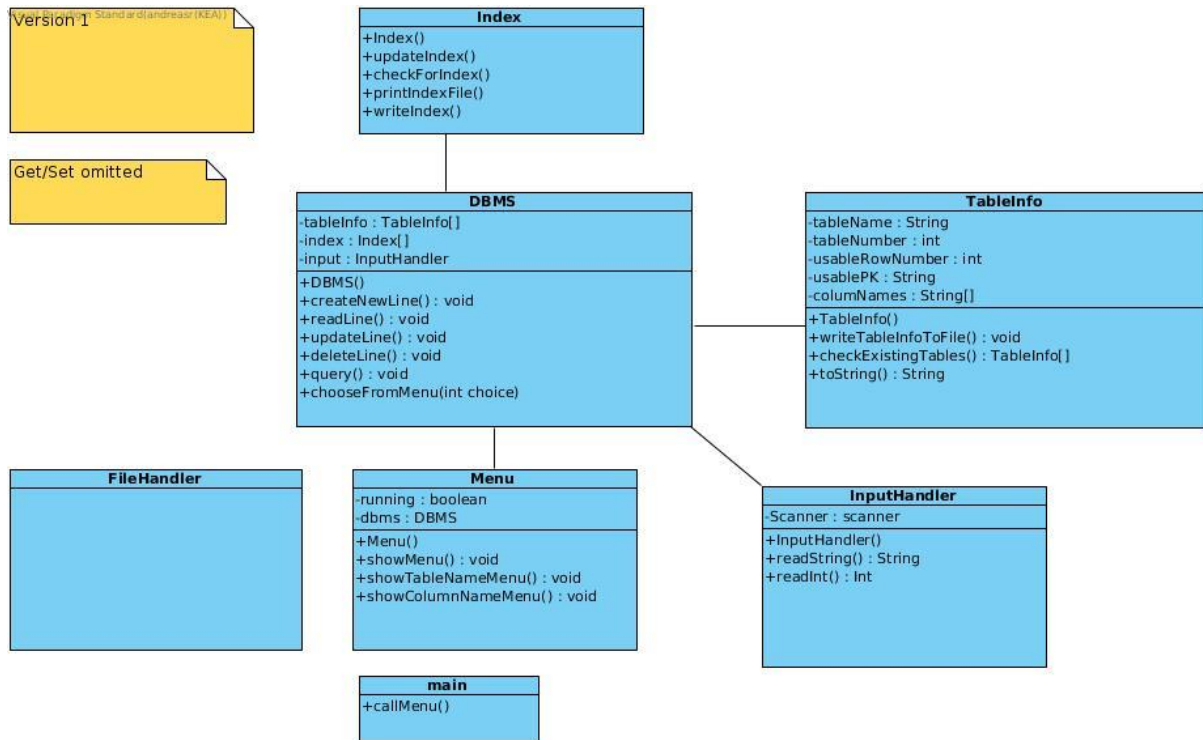
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Class diagram



(Diagram 6: Class Diagram- Source in end of document)

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Gantt / Kanban

Gantt Chart	Done	Started	Not started	Error	Running process	Not sure.	Dropped
Tasks	29-10-2018	30-10-2018	31-10-2018	1-11-2018	2-11-2018	3-11-2018	4-11-2018
Vision							
Requirements							
Use cases							
Use case diagram							
Activity diagram							
Domain model							
SSD							
SD							
Glossary							
Translate							
Class diagram							
Risiko analysis							
Kanban							
Gantt							
Kanban / gantt.							
ERD							

(Diagram 6: Gantt / Kanban- Source in end of document)

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Litteraturliste / Sources

Pictures:

picture: 1. Source - <https://www.insightsintoimpact.com/its-just-a-database/database-graphic-hi-res/>

picture: 2. Source - <http://www.windsor.edu/admissions/requirements/>

Diagrams:

Diagram: 1. Source - Made it ourselves in visual paradigm.

Diagram: 2. Source - Made it ourselves in visual paradigm.

Diagram: 3. Source - Made it ourselves in visual paradigm.

Diagram: 4. Source - Made it ourselves in visual paradigm.

Diagram: 5. Source - Made it ourselves in visual paradigm.

Diagram: 6. Source - Made it ourselves in docs.