ASSIGNMENT

# Grouping

* + Each group must have from 3 to 4 students.

# Task

Choose one of following sites:

* [www.dantri.com.vn](http://www.dantri.com.vn) (news site)
* [www.rongbay.vn](http://www.rongbay.vn) (advertisement site)
* <https://pages.ebay.vn> (sales site)
* [www.pico.vn](http://www.pico.vn) (sales site)
* [www.fpt.edu.vn](http://www.fpt.edu.vn) (information site)
* [www.mytour.vn](http://www.mytour.vn) (tour site)
* [www.booking.com](http://www.booking.com) (booking site)
* [www.vinabook.com](http://www.vinabook.com) (book seller site)
* [www.olo.vn](http://www.olo.vn) (advertisement site)

Design and implement the database to store data for the selected site. You need to:

* Write the user requirement.
* Design E/R diagram
* Convert E/R diagram to relational data model. Normalize this to 3NF/BCNF.
* Define all necessary constraints.
* Implement this design into SQL Server.
* Write all SQL statements, stored procedures and triggers to perform all necessary transactions of the site.

# Documents

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| --- | --- | --- | --- |
| Document | Content | File name | Deadline |
| *User Requirement* | * List of students * Problems * List of required data objects with these attributes * List of required transactions | DB\_[Class]\_UR\_[NameOfStudentInGroup].doc  E.g.  DB\_SE0711\_UR\_TungTQ\_TrangNT\_HungVP.doc |  |
| E/R diagram | * ER diagram | DB\_[Class]\_ER\_[NameOfStudentInGroup].doc |  |
| Database scheme | * Database schema in relational data model. Normalize this database into 3NF/BCNF. * List of constraints. | DB\_[Class]\_LD\_[NameOfStudentInGroup].doc |  |
| .SQL file | * SQL file to implement the database. * All queries, manipulation statements, stored procedures, triggers to execute all transactions required. | DB\_[Class]\_DBProject\_[NameOfStudentInGroup].sql |  |

# How to mark

* Independent scoring for each student.
* Based on:
  + The work already done (50%)
  + The presentation (20%)
  + The answer about teacher’s questions (30%)