



ADO technology

Subject

«Fundamentals of Information System»

10 lecture

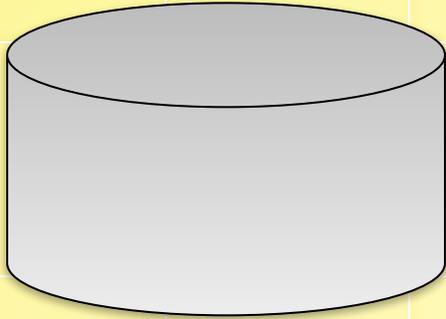
ADO

- ActiveX Data Object – data access technology, developed by Microsoft.
- (ActiveX-objects for data access).

• **Components:**

- **ADOConnection (inc. dbGo)**
- **ADOTable (inc. dbGo)**
- **ADOQuery (inc. dbGo)**
- **DataSource (inc. Data Access)**
- **DBEdit (inc. DataControl)**
- **DBNavigator**
- **DBGrid**

Database model symbols (1)

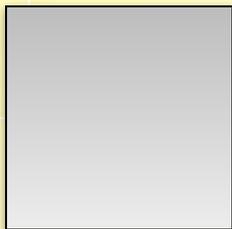


BASE.mdb

- Database

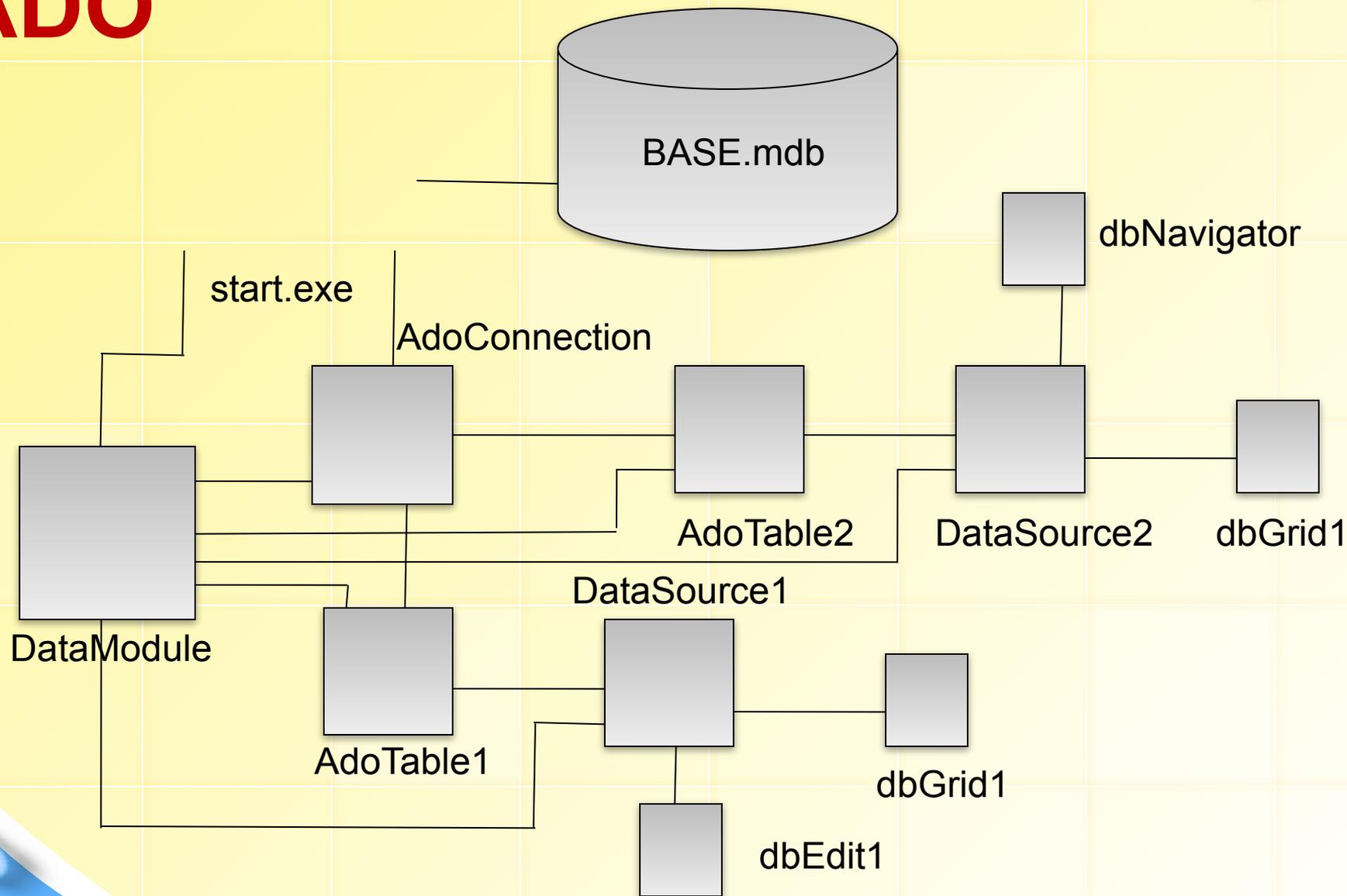
- Application

start.exe



- Module
(component)

Database model based on ADO



Components attributes

- ADOConnection:

- **Connection String** – path to database

(Connection String -> Build-> MicrosoftJet 4.0.
OLE DB Provider -> Show path to database)

**Path to database is provided relatively to
current root directory!**

Current root directory – is (path to folder,
where executed file – exe located, i.e
application)

ADOConnection:

- **Login Prompt** – password to database (false - disconnect)
- **Connected** – database connection (true - connect)

ADOTable – database table

ADOTable attributes:

- **Connection** – connection to database due to component ADOConnection
- **TableName** – table name
- **Active** – table connection activation (true – active, false – not active)

DataSource – table resource

DataSource attributes:

- **DataSet** – table resource connection
(DataSet = AdoTable1)

DBGrid – table

DBGrid attributes:

- **DataSource** – table resource to visual component connection
(DataSource=DataSource1)

Google

Google began in March 1998 as a research project by Larry Page and Sergey Brin, Ph.D. students at Stanford University. The domain google.com was registered on September 15, 1997.

PageRank

It is given by

$$PR(A) = (1-d) + d (PR(T_1)/C(T_1) + \dots + PR(T_n)/C(T_n))$$

where

$PR(A)$ is the PageRank of page A, $PR(T_i)$ is the PageRank of pages T_i which link to page A, $C(T_i)$ is the number of outbound links on page T_i and d is a damping factor which can be set between 0 and 1.

Thank you for attention!

