

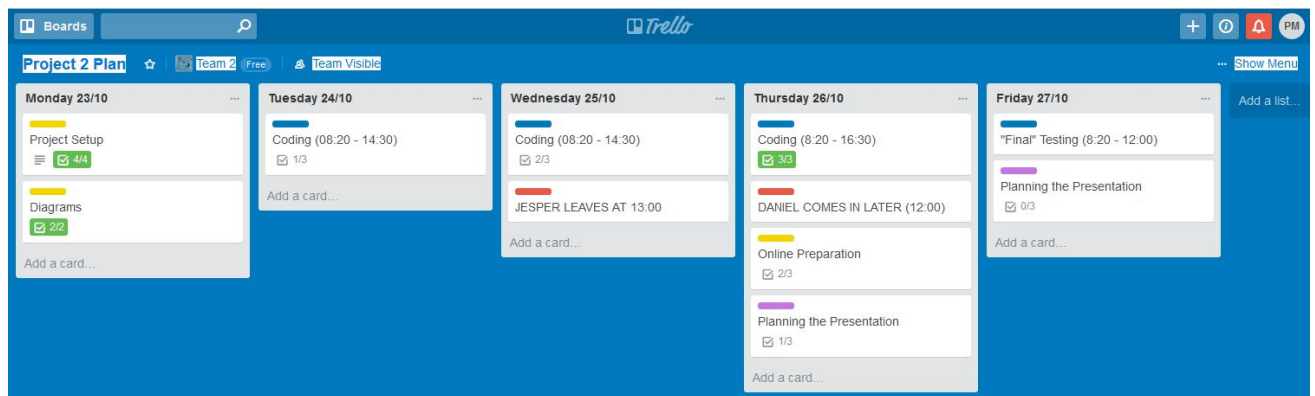
Week 2 projekt - Yadda Yadda Yadda

Project group: Daniel, Jesper, Marianne and Peter.

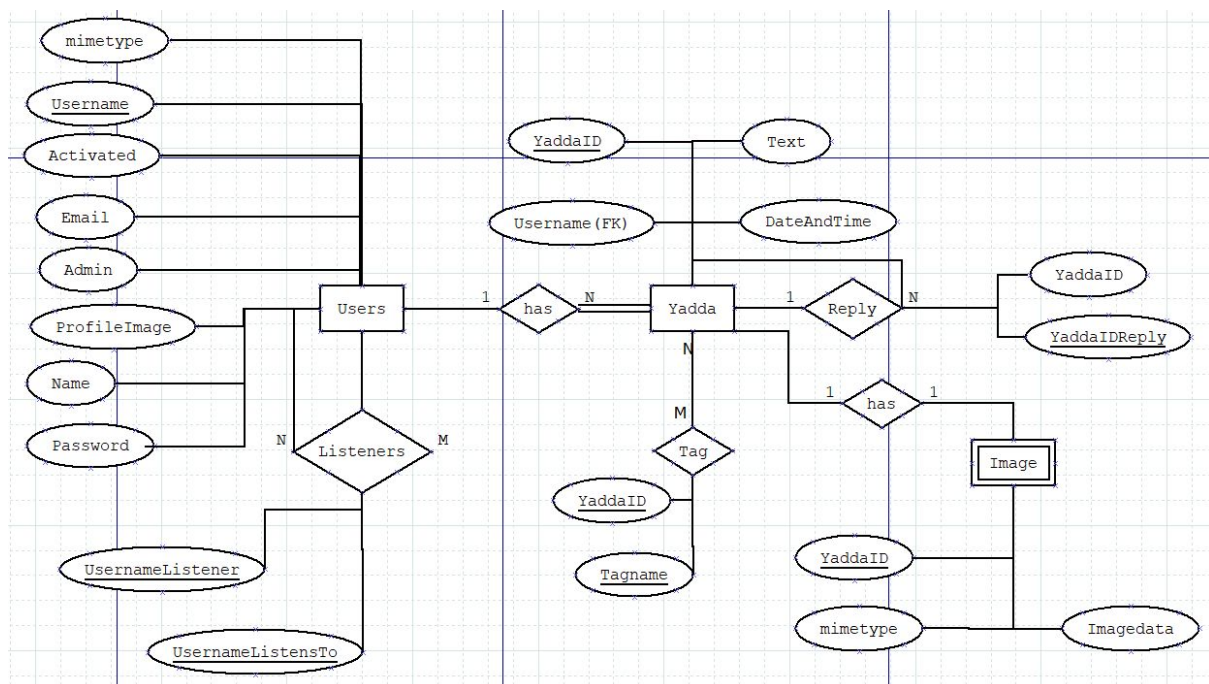
web: <http://web2.pete334y.iba-abakomp.dk/Yadda/>

github: <https://github.com/caladin73/yada.git>

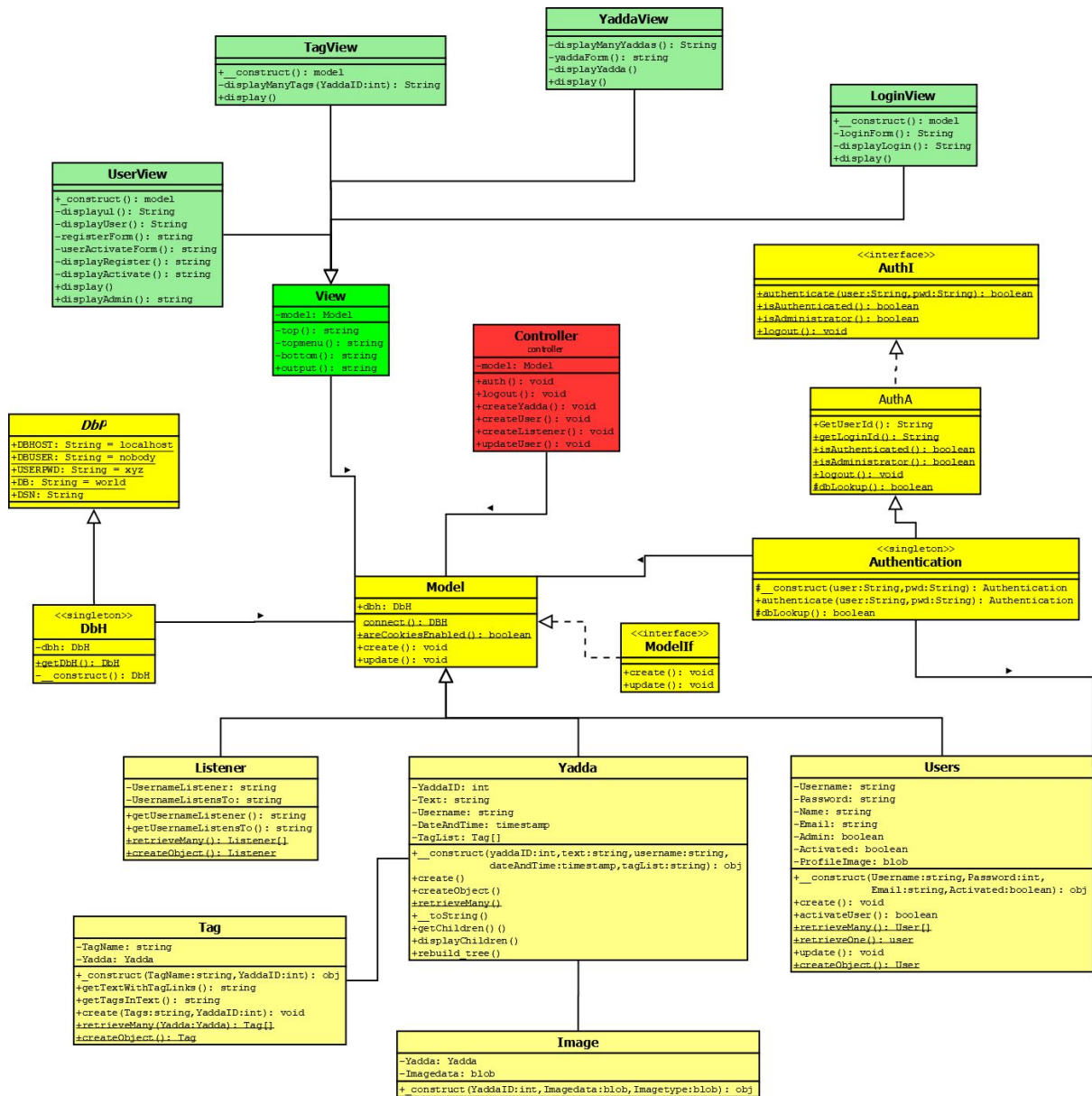
Project Plan



ER Diagram



UML Diagram



SQL Database source code

```
DROP DATABASE IF EXISTS c1db2;  
CREATE DATABASE c1db2;  
USE c1db2;
```

```
CREATE TABLE `Image` (  
  `YaddaID` int(16) NOT NULL,  
  `Imagedata` blob NOT NULL,  
  `mimetype` varchar(32) CHARACTER SET latin1 COLLATE latin1_danish_ci NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE `Listener` (  
  `UsernameListener` varchar(16) NOT NULL,  
  `UsernameListensTo` varchar(16) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE `Reply` (  
  `YaddaID` int(16) NOT NULL,  
  `YaddaIDReply` int(16) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE `Tag` (  
  `YaddaID` int(16) NOT NULL,  
  `Tagname` varchar(16) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE `Users` (  
  `Username` varchar(16) NOT NULL,  
  `Password` blob NOT NULL,  
  `Name` varchar(16) NOT NULL,  
  `Email` varchar(32) NOT NULL,  
  `ProfillImage` blob NOT NULL,  
  `Admin` tinyint(1) NOT NULL,  
  `Activated` tinyint(1) NOT NULL,  
  `mimetype` varchar(32) CHARACTER SET latin1 COLLATE latin1_danish_ci NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
CREATE TABLE `view_allUsers` (  
  `Username` varchar(16)  
, `Password` blob  
, `Name` varchar(16)  
, `Email` varchar(32)  
, `ProfillImage` blob
```

```
,`Admin` tinyint(1)
,`Activated` tinyint(1)
);
```

```
CREATE TABLE `view_yaddas_no_replies` (
`YaddaID` int(16)
,`Text` varchar(160)
,`Username` varchar(16)
,`DateAndTime` datetime
,`lft` int(11)
,`right` int(11)
,`replies` bigint(21)
);
```

```
CREATE TABLE `Yadda` (
`YaddaID` int(16) NOT NULL,
`Text` varchar(160) NOT NULL,
`Username` varchar(16) NOT NULL,
`DateAndTime` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
`lft` int(11) NOT NULL DEFAULT '0',
`right` int(11) NOT NULL DEFAULT '0'
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

```
DROP TABLE IF EXISTS `view_allUsers`;
CREATE ALGORITHM=UNDEFINED DEFINER=`c1dbu1`@`localhost` SQL SECURITY
DEFINER VIEW `view_allUsers` AS select `Users`.`Username` AS
`Username`,`Users`.`Password` AS `Password`,`Users`.`Name` AS `Name`,`Users`.`Email`
AS `Email`,`Users`.`ProfillImage` AS `ProfillImage`,`Users`.`Admin` AS
`Admin`,`Users`.`Activated` AS `Activated` from `Users` ;
```

```
DROP TABLE IF EXISTS `view_yaddas_no_replies`;
CREATE ALGORITHM=UNDEFINED DEFINER=`c1dbu1`@`localhost` SQL SECURITY
DEFINER VIEW `view_yaddas_no_replies` AS select `y`.`YaddaID` AS
`YaddaID`,`y`.`Text` AS `Text`,`y`.`Username` AS `Username`,`y`.`DateAndTime` AS
`DateAndTime`,`y`.`lft` AS `lft`,`y`.`right` AS `right`,(select count(`r`.`YaddaID`) from `Reply`
`r` where (`r`.`YaddaID` = `y`.`YaddaID`)) AS `replies` from `Yadda` `y` where
(not(`y`.`YaddaID` in (select `r`.`YaddaID`Reply` from `Reply` `r`))) order by
`y`.`DateAndTime` desc,`y`.`YaddaID` ;
```

```
ALTER TABLE `Image`
ADD PRIMARY KEY (`YaddaID`) USING BTREE;
```

```
ALTER TABLE `Listener`
ADD PRIMARY KEY (`UsernameListener`,`UsernameListensTo`),
ADD KEY `UsernameListensTo` (`UsernameListensTo`);
```

```
ALTER TABLE `Reply`  
  ADD PRIMARY KEY (`YaddaID`,`YaddaIDReply`),  
  ADD KEY `YaddaIDReply` (`YaddaIDReply`);
```

```
ALTER TABLE `Tag`  
  ADD PRIMARY KEY (`YaddaID`,`Tagname`);
```

```
ALTER TABLE `Users`  
  ADD PRIMARY KEY (`Username`),  
  ADD UNIQUE KEY `Username` (`Username`);
```

```
ALTER TABLE `Yadda`  
  ADD PRIMARY KEY (`YaddaID`),  
  ADD KEY `Username` (`Username`);
```

```
ALTER TABLE `Yadda`  
  MODIFY `YaddaID` int(16) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=131;
```

```
ALTER TABLE `Image`  
  ADD CONSTRAINT `Image_ibfk_1` FOREIGN KEY (`YaddaID`) REFERENCES `Yadda`  
  (`YaddaID`);
```

```
ALTER TABLE `Listener`  
  ADD CONSTRAINT `Listener_ibfk_1` FOREIGN KEY (`UsernameListener`) REFERENCES `Users`  
  (`Username`) ON DELETE CASCADE,  
  ADD CONSTRAINT `Listener_ibfk_2` FOREIGN KEY (`UsernameListensTo`) REFERENCES `Users`  
  (`Username`) ON DELETE CASCADE;
```

```
ALTER TABLE `Reply`  
  ADD CONSTRAINT `Reply_ibfk_1` FOREIGN KEY (`YaddaID`) REFERENCES `Yadda`  
  (`YaddaID`) ON DELETE CASCADE,  
  ADD CONSTRAINT `Reply_ibfk_2` FOREIGN KEY (`YaddaIDReply`) REFERENCES `Yadda`  
  (`YaddaID`) ON DELETE CASCADE;
```

```
ALTER TABLE `Tag`  
  ADD CONSTRAINT `Tag_ibfk_1` FOREIGN KEY (`YaddaID`) REFERENCES `Yadda`  
  (`YaddaID`) ON DELETE CASCADE;
```

```
ALTER TABLE `Yadda`  
  ADD CONSTRAINT `Yadda_ibfk_1` FOREIGN KEY (`Username`) REFERENCES `Users`  
  (`Username`);
```