Team 20

Presented by

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Use Case	Implemented?
Customer / Employee registration (including sending e-mail with TANs)	YES
Customer / Employee login	YES
Customer / Employee logout	YES
Customer / Employee views bank account details of Customer	YES
Customer / Employee views transaction history of Customer	YES
Customer money transfer via HTML form (using TAN)	YES
Customer money transfer via uploading transaction batch file (using TAN)	YES
Employee approves transfers larger than 10.000 EUR	YES
Employee approves registration of Customer or of other employee	YES
(optional) Customer / Employee downloads transaction history of Customer as PDF document	YES

Time Tracking

Task	Student	Workload
Project Management	each	3h
Learn technologies	each	8h
Design model, Refactor page access control, Extending db	each	1h + 3h + 1h = 4
Setup database, initial framework(MVC), Refactoring, sending email, generate tan, approve users and transactions	Michael	1h + 4h + 10h + 2h + 3h + 5h = 25h
Registration, Login, Logout, password encryption, .htaccess, encoding, download transaction history as pdf	Bharti	6h + 3h + 2h + 3h + 3h + 3h+5h = 25h
Batch, UserDetails, create Transaction	Simon	18h + 5h + 4h = 27h

Live Demo …

Thank you

Name	Registration Process
Goal	Register an Account
Actors	new Customer / new Employee
Pre-Conditions	Email-Address of new account not yet registered.
Main Course of Execution	- Go to the main page - Click "Register" in Menu - Fill in Details [Email address must be valid] - Click "Submit" button
Alternate Courses	-
Exceptions	Email address already taken - One or more registration fields are empty - Passwords don't match
Post-conditions	- New user receives an email - User appears in list of unapproved accounts in employee view
Data formats used	-

Name	Login Process
Goal	Login to an Account
Actors	approved Customer / approved Employee
Pre-Conditions	- Account has been registered and approved - Account is not yet logged in
Main Course of Execution	- Go to the main page - Fill in Email and password - Click "Login" button
Alternate Courses	From registration page click "Login" in the menu
Exceptions	- Account not existent - Account not approved - Invalid password
Post-conditions	- Account is logged in - User can access pages that require authentication
Data formats used	-

Name	Logout Process
Goal	Logout from an Account
Actors	Customer / Employee
Pre-Conditions	● Account is logged in
Main Course of Execution	● Click "Logout" in menu on the right
Alternate Courses	-
Exceptions	-
Post-conditions	● Account is logged out ● User cannot access pages that require authentication ● Redirect to main/login page
Data formats used	-

Name	View account and transaction history
Goal	View your account details with transaction history and pending transactions
Actors	Customer
Pre-Conditions	Account is logged in
Main Course of Execution	- Login - Redirect to Details
Alternate Courses	Click "Home" in Menu
Exceptions	-
Post-conditions	Account details of user are shown
Data formats used	-

Name	**View customer account and transaction history with pending transactions**
Goal	View customers account details including transaction history and pending transactions
Actors	Employee
Pre-Conditions	Account is logged in
Main Course of Execution	- Login - Redirect to Details - Choose user from List and click "Details"
Alternate Courses	- Click "View Customers" in Menu - Choose user from List and click "Details"
Exceptions	-
Post-conditions	Account details of customer are shown
Data formats used	-

Name	Approve new accounts [customer/employee]
Goal	Approve or deny new accounts
Actors	Employee
Pre-Conditions	- Employee is logged in - There is at least one unapproved user
Main Course of Execution	- Click "Approve User" in menu - Choose operation<ol type="a"> - Approve as customer [second radio button] - Approve as employee [third radio button] - Deny [fourth radio button] - Click "apply"
Alternate Courses	-
Exceptions	-
Post-conditions	- The operations are applied to the accounts - Employee receives an informative email - Customer receives an informative email with 100 tans on approval - On denial customer doesn't receive tans, only email

Name	Approve transactions over 10000€
Goal	Approve or deny transactions over 10000€
Actors	Employee
Pre-Conditions	- Employee is logged in - There is at least one unapproved transaction
Main Course of Execution	- Click "Approve Transactions" in menu - Choose operation a. Approve transaction [second radio button] b. Deny transaction [third radio button] - Click "apply"
Alternate Courses	-
Exceptions	-
Post-conditions	- The operations are applied to the transactions - Customer receives an informative email
Data formats used	-

Name	Transfer money via HTML form
Goal	Transfer money to another account
Actors	Customer
Pre-Conditions	- Customer has at least the amount of money being transferred from his account - Receiving account exists and is approved - Customer is logged in
Main Course of Execution	- Click "Transfer Money" in Menu - Fill in Details - Click "Submit" button
Alternate Courses	-
Exceptions	- Receiving account doesn't exist - Wrong TAN is entered - Insufficient amount of money in account - Customer transfers money to his own account
Post-conditions	- Money is withdrawn from customers account - If transaction volume greater than 10000€ transaction is shown in pending transactions list and Employee need to approve it - Else amount is transferred directly and is visible in transaction history of both accounts

Name	Transfer money via batch file upload
Goal	Transfer money to one or more account in a batch
Actors	Customer
Pre-Conditions	- Customer has at least the amount of money being transferred from his account - Receiving accounts exist and are approved - Customer is logged in
Main Course of Execution	- Click "Transfer Money" in Menu - Create a batch file - Click "Browse" button and Choose file name of batch file - Click "Submit" button
Alternate Courses	-
Exceptions	- Receiving accounts don't exist - Wrong or already used TAN is entered - Insufficient amount of money in account - Customer transfers money to his own account
Post-conditions	- Money is withdrawn from customers account - If transaction volume greater than 10000€ transaction is shown in pending transactions list and Employee need to approve it - Else amount is transferred directly and is visible in transaction history of both accounts

Name	Download Transaction History
Goal	Download Transaction history of Customer as PDF
Actors	Customer
Pre-Conditions	● Customer is logged in
Main Course of Execution	● Login ● Home page visible ● Download button is visible below Approved Transactions ● Click "Download" button
Alternate Courses	-
Exceptions	
Post-conditions	● Prompt to download a PDF ● The downloaded pdf has approved transactions