Webshop – final presentation

The BreakFast Company
huber3, nells1, burkt4

Agenda

▶ Intro

▶ Live demo

▶ Technologies used

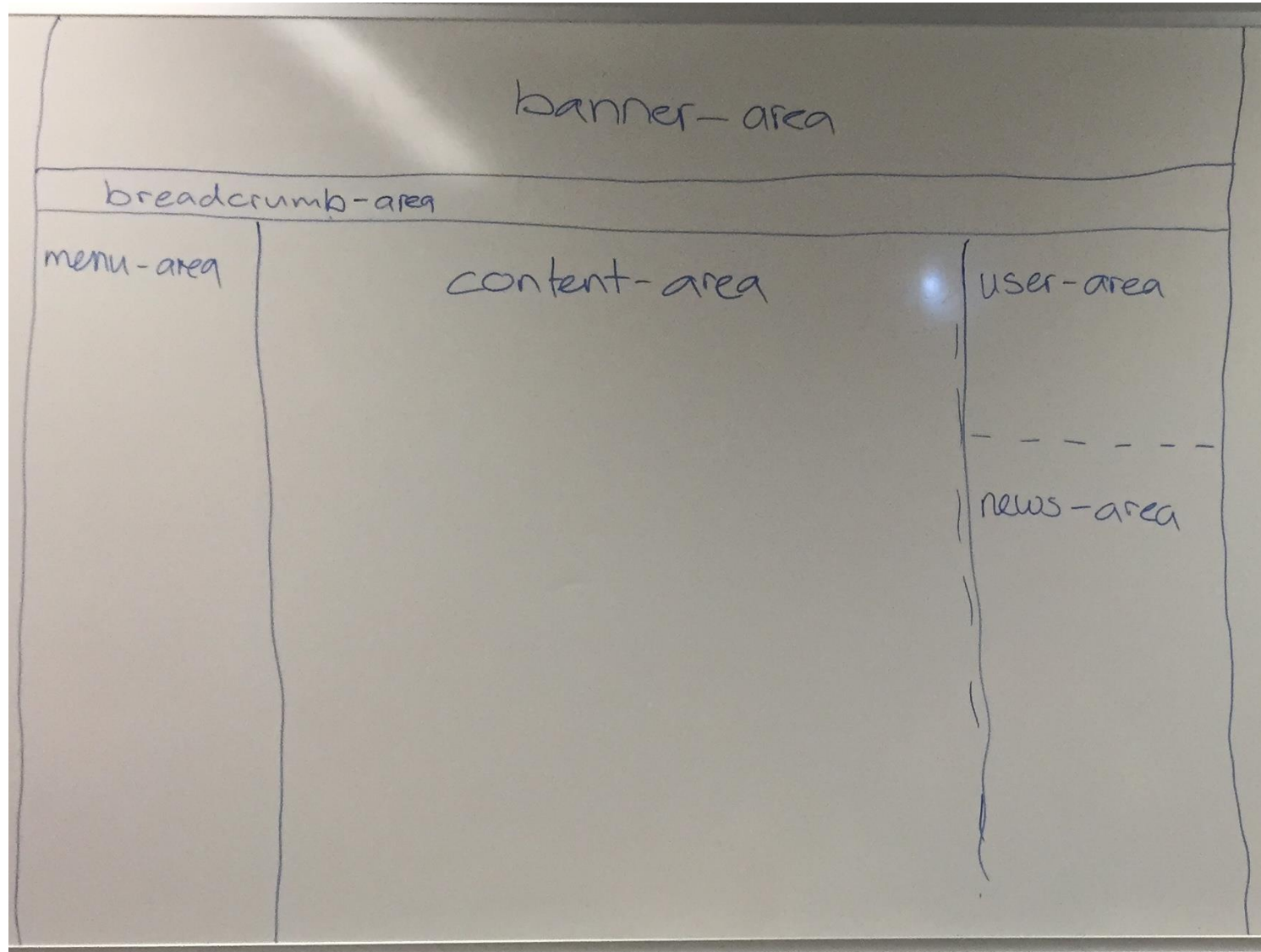▶ Features implemented

▶ Distribution of work

▶ Lessons learnt

Intro: Target User and Requirements

▸ Peter, a businessman;

▸ male, 45, works as a banker, travels daily from cities by train (first class), he collects art as a hobby, he is kind of a snob, accustomed to certain standard of living, high income.

▸ Peter likes his routine therefore he would like to place standing orders per weekday, so he doesn't have to place a order daily. But it should still be possible to change the standard order or to be able to suspend it, when he goes on business trips.

Intro: Target User and Requirements

▸ Anna, girl with lactose intolerance

▸ female, 25, studies psychology and history, works part time in a library, likes reading books, lives in a living community, medium income

▸ Anna loves breakfast and is her most important meal of the day. To find a bakery or restaurant with lactose free products is sometimes difficult. She would like to see which products are suitable for her lactose intolerance.

Intro: General Design

Live Demo

▶ Enjoy!

Technologies used

▸ HTML, CSS and JavaScript

▸ PHP and MySQL (using mysqli library)

▸ Cookies (Save language settings)

▸ Session (Basket and user information)

▸ REST (GoogleMaps, Skype Status)

▸ AJAX (Productsearch)

▸ HTML templates (On About us and Contact page)

▸ RegEx

Features implemented – General Design

- ▶ 4.2: Dynamic Navigation Menu
- ▶ 7.3: DHTML
- ▶ 5.1: External PHP Files
- ▶ 5.2: Multi-Page PHP File
- ▶ 5.3: Multiple Languages
- ▶ 8.1: Cookies

Features implemented – General Design

▶ XML Menu validated against XSD-schema

▶ Navigation menu is generated dynamically using XML-file
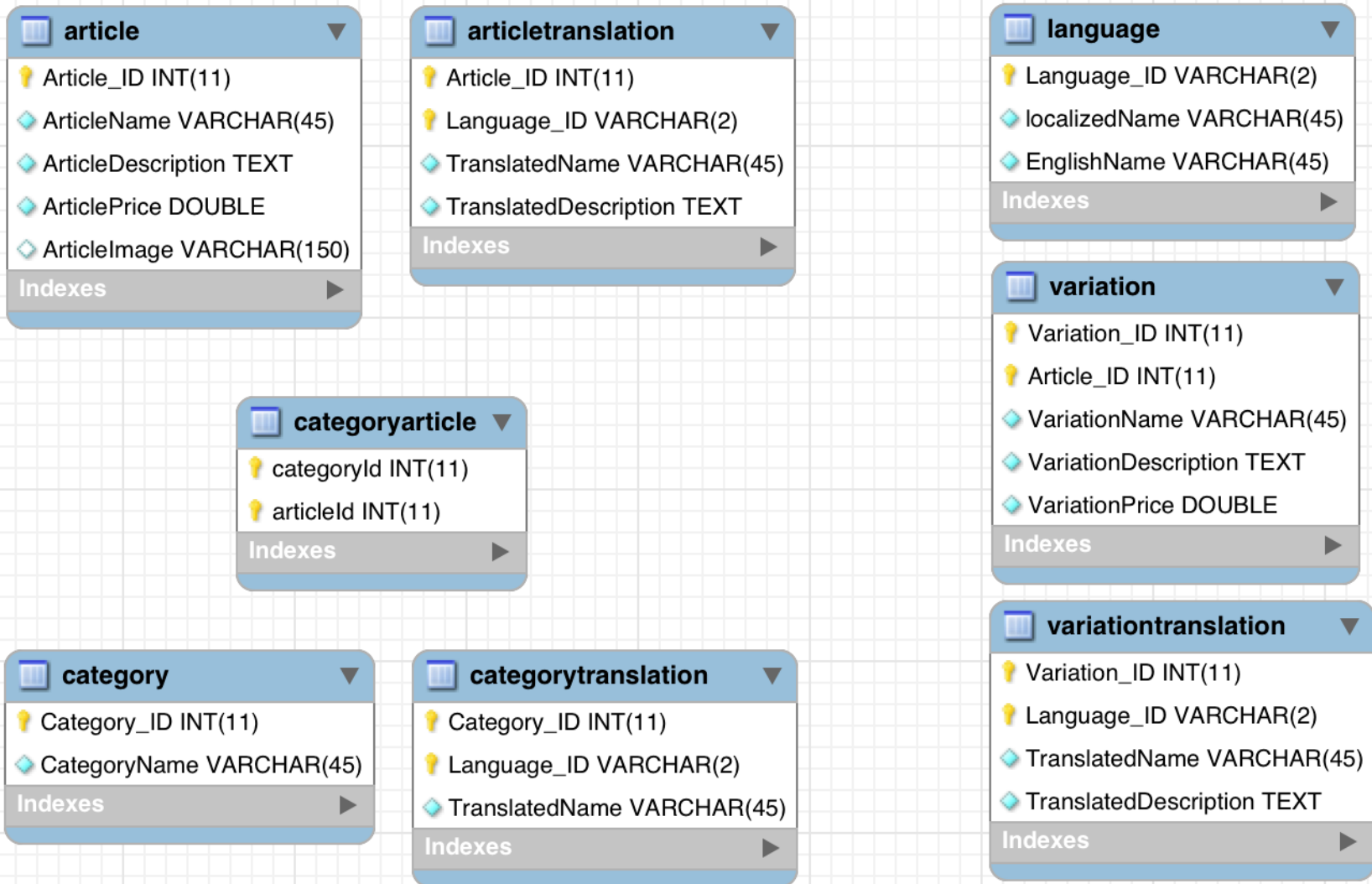
▶ Menu structure can easily be changed via XML-file

```xml
<menuItem itemName="shop">
    <text>Shop</text>
    <siteName>shop</siteName>
    <enabled>1</enabled>
    <subMenu menuId="subMenuShop">
        <menuItem itemName="food">
            <category>food</category>
            <text>Food</text>
            <siteName>shop</siteName>
            <enabled>1</enabled>
        </menuItem>
```
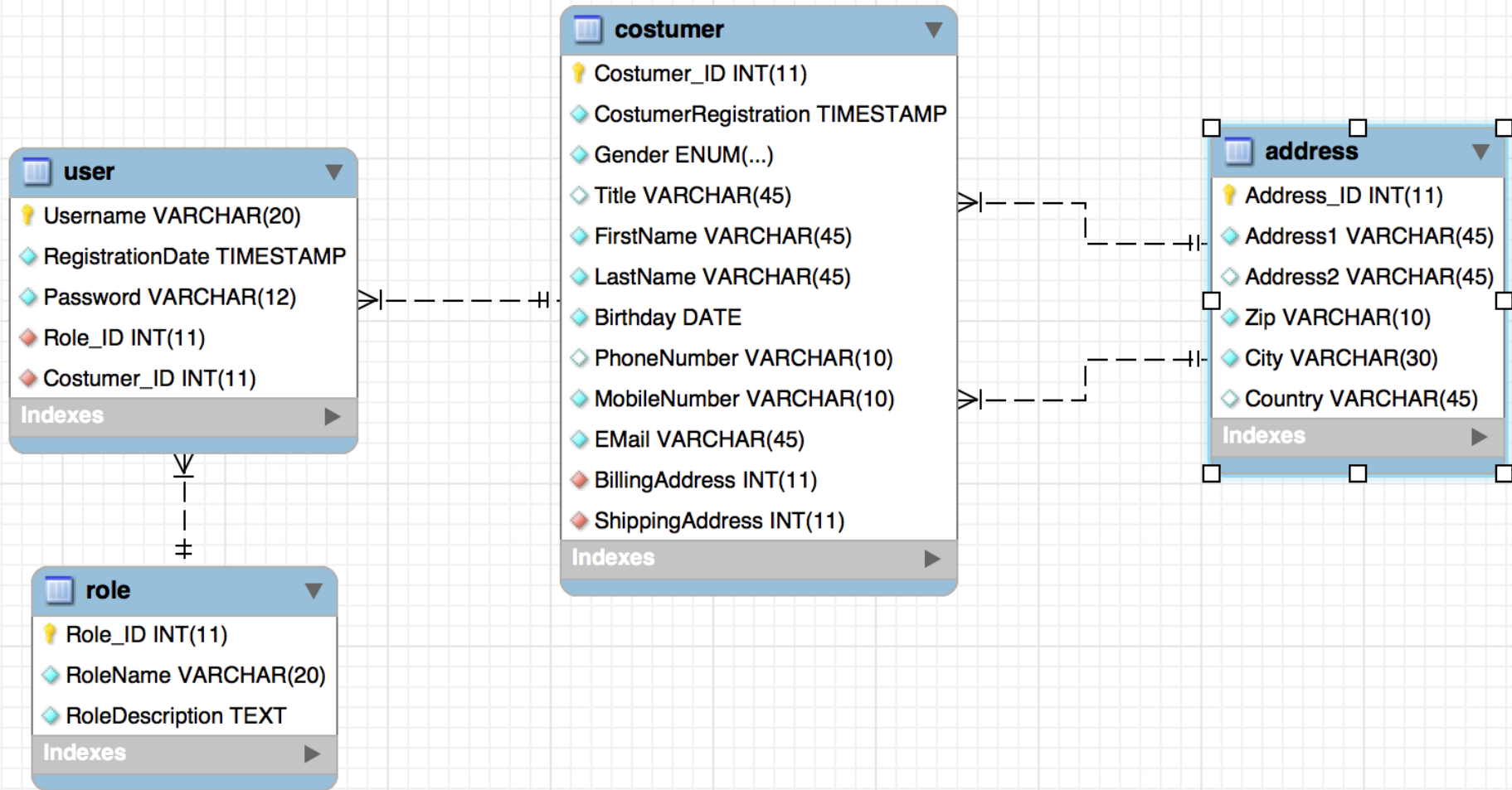
```xml
<xsd:element name="menuItem">
    <xsd:complexType mixed="true">
        <xsd:all>
            <xsd:element ref="text" />
            <xsd:element ref="siteName" />
            <xsd:element ref="category" minOccurs="0" maxOccurs="1" />
            <xsd:element ref="enabled" />
            <xsd:element ref="subMenu" minOccurs="0" maxOccurs="1"/>
        </xsd:all>
        <xsd:attribute ref="itemName" use="required" />
    </xsd:complexType>
</xsd:element>
```

Features implemented – Product Shop

- *4.3: List of Products*
- 6.1: "Buy Now" Links
- 6.2: Select Options
- *8.2: Shopping Cart*
- 9.1: OO Shopping Cart
- 9.2 : OO Product List
- 10.1: Database Schema Design
- 10.3: PHP Integration
- 12.1: AJAX

Features implemented – Product Shop

Features implemented – Product Shop

Features implemented – Product Shop

Product search: sa

Croissant
Price: 1.50 CHF

normal
Homemade croissants. Freshly baked each morning.

Add to basket

Ham-Sandwich
Price: 5.00 CHF

normal

Add to basket

Salami-Sandwich
Price: 5.00 CHF

normal

Add to basket

Cheese-Sandwich
Price: 5.00 CHF

normal

Add to basket

Produktsuche: sa

Schinken-Sandwich
Preis: 5.00 CHF

normal

In den Warenkorb

Salami-Sandwich
Preis: 5.00 CHF

Sandwich mit Salami und wahlweise mit oder ohne Gurken und Tomaten.

normal

In den Warenkorb

Käse-Sandwich
Preis: 5.00 CHF

normal

In den Warenkorb

Orangensaft
Preis: 3.50 CHF

normal

In den Warenkorb

Ananassaft
Preis: 3.50 CHF

normal

In den Warenkorb

Tropical-Saft
Preis: 3.50 CHF

normal

In den Warenkorb

Features implemented – Ordering Process

- ▶ 6.3: Shipping Address
- ▶ 6.4: Confirmation
- ▶ 7.1: Purchase Confirmation
- ▶ 7.2: Form Validation
- ▶ 12.3: Regular Expressions

Features implemented - Administration

- ▸ 10.4: Administrator
- ▸ 8.3: User Accounts
- ▸ 9.3: Even more OO

Features implemented - Administration

Features implemented – About us / Contact

▶ 11.1: Web Service Integration
▶ 12.2: HTML Templates

Distribution of work

- Weekly meetings to discuss and distribute tasks
- key tasks and decisions were worked on by the whole group
- additional Skype Sessions to discuss results were planned when needed

- General tasks of team members:
  - Huber3: Layout, Design, XML, XSD, Patchworking, Database
  - Nells1: Webservices, Mailing, Ordering process, User Login
  - Burkt4: ProductList (x3 ;-)), Validation, Regex, Administration

- Exact distriubtion of tasks is writen in the project diary

Lessons learnt

▸ Multi-Language complicates things a lot

▸ Defining a solid structure is key

▸ We are still not sure how to handle includes properly

▸ Best practice in general?!