Project Plan

Website Food ordering Website

Contents

1. Overview

We are planning an online platform to order finger food online which is an important part of social culture when doing businesses and meeting good friends (Birthday or other celebrations). Such a event normally consists of fingerfood of any kind and some alcoholic beverages (beer or wine). Users can search for their location and quickly check which caterer is available in their region and see what they offer to order. User can then select the desired products and place the order (either using an existing account, create an account or order as guest without creating/using an account. Caterer can register themselves on the page and edit/manage their products from the caterer backend (special login).

2. Goals and Scope

2.1 Website Goals

	Objective / Goal	Description
1.	Website design must be aesthetically pleasing and convey an impression of modernity	
2.	Users must be able to navigate and orient easily	Site must follow UI standards, render properly on all major browsers and operating systems as well as one mobile devices
3.	Site must be easy to maintain	Site structure will allow non-technical staff to update content; dynamic elements will be managed through user-friendly forms
4.	Site must be robust and perform well	Use a common PHP framework to provide modern design pattern.
5.	Site content must be comprehensive and accurate	Content will be entered and proofed for every page specified in the site map (by client)

3. Development

3.1 Development Environment

The developer defines upfront which technologies, frameworks and libraries should be used. The website architecture must be based on a commonly-used PHP-framework. The DBMS is MySQL. Any other choice of

technology must be reviewed by the principal. The PHP-framework supports a MVC-architecture and offers the possibility to strictly separate source code and HTML/CSS-templates (Template-Engine).

Item	Applied for / Purpose
Frameworks	
Stripe	Payment
Paypal	Payment
Mailchimp	Mail automation / Newsletter subscription
Languages	
PHP	Backend
Angular (x)	Frontend
MySQL	Database

3.2 UI-Design

The user interface is designed by the developer and based on a common responsive system (i.e. Twitter Bootstrap) to allow an easy-customizable mobile-responsive Version. Modern best practices are considered during the development process. Using Angular to create a modern Frontend experience.

3.3 Development Process

- Source control / Versioning using Git.
- Weekly Git commit or in shorter period after committing new features to deploy on our test server.
- Proper and clean source code documentation

3.4 Quality Assurance

Testing is done by the developer and the contractor. Unit-Tests are not needed. The main goal is to have a working prototype as soon as possible and extend it after testing the market. Extension is further be related s Version 1.5.

4. Functionality

Feature	Requirements / Description
☐ **User registration**	*User registration by email and password. User receives welcome email (HTML template). Email is automatically added to Mailchimp Automation, especially the caterer account to send follow-up mails. Allow sending vouchers for customers who haven't order something recently*
☐ **Multilingual**	*Default language will be German but developer should already integrate a common translation technology while development process (e.g. I18n). Translation switch allowing users to change their frontend and backend language will be implemented in the next major version (1.5)*
☐ **Search**	*Search the website for location (ZIP+City or get current Location on Mobile), delivery date and number of persons. The idea is that caterer needs to set much time it takes to either create food for 1-5 persons, 6-10, >10) or if his is not capable of serving this many customers at once.*
☐ **Cart**	
☐ **Voucher**	*Allow entering voucher codes during Checkout (Percentage, or fixed price discount)*
☐ **Checkout**	*Create Account, Login or order as Guest (all on the same page)*
☐ **Contact Us**	*Contact form*
☐ **Subscription email lists & newsletter**	*Users are to be able to subscribe and unsubscribe to email lists and e-newsletter (Mailchimp), List for caterers and a list for common users*
☐ **Mobile-responsive Design**	*Website template allows mobile responsiveness.*
☐ **UX**	*The modern user experience is crucial for the success of this project. Frontend communicates through REST calls with backend.*
☐ **Payment**	*Online payments using Payment-API. Allow payments by credit card (Stripe.com) and Paypal. Order can also be placed with cash payment on delivery. Caterer needs to transfer the order fee by themselves (using bank transfer / invoices using internal accounting software)*

Feature	Requirements / Description
☐ **FAQ**	*Website section for frequently asked questions using categories for each entry (For instance Delivery, payment etc). Categories and FAQ entries can be created in the AdminBackend.*
☐ **Caterer Backend**	*Manage products and orders*
☐ **AdminBackend**	*Backend to manage the entire website (such as texts, FAQ, etc.).*

5. Mockups

The following chapters show website mockups for the major functionality of the page. This can vary during the development process in cooperation with testing peer groups etc. In addition to the following mockups, the site or the website backend should also allow publishing content websites (plain text/HTML) for pages like imprint, data protection regulations etc. (CMS).

5.1 Home + Primary search

ZIP or City search uses autocomplete function allowing user to quickly set the according location. ZIP index with Cities will be provided. User selects the number of persons to be served and when the catering happens (delivery date).

5.2 Search

| | Apero bestellen | Hilfe | Login / Registrieren |

Filter

Küche
☑ Japanisch ☑ Spanisch
☑ Italienisch ☑ Schweizerisch

Anlassgrösse

Lieferdatum
4/22/2012

Suchen

Apero-Anbieter in 9000 St. Gallen

Spitzen-Apero Caterer
Bahnhofstrasse 18, 9000 St. Gallen

★★★☆☆
7 Bewertungen

Bestellen

Super Mega- Apero Caterer
Haldenstrasse 18, 9000 St. Gallen

★★★☆☆
7 Bewertungen

Bestellen

King Apero
Hubstrasse, 9500 Wil

★★★☆☆
7 Bewertungen

Bestellen

Apero	Kontakt	Für Caterer
Italienisch	FAQ	Anmelden
Mediteran	Hilfe	FAQ
Tapas		Caterer-Verzeichnis
Desserts	Impressum	

The search page shows all available caterer for the requested query (ZIP+Location, Number of Persons and delivery date) and must automatically filter the available caterer. On the left side is an autofilter section, where user can interactively change their filter criteria and result list is refreshed (using Ajax or similar). The Number

of Persons should be displayed using different image buttons (Button 1: 1-5 persons, button 2: 6-10 persons, etc. (tbd)).

5.3 Caterer profile and product listing

| | Apero bestellen | Hilfe | Login / Registrieren |

Apero-Anbieter in 9000 St. Gallen

Spitzen-Apero Caterer

Bahnhofstrasse 18, 9000 St. Gallen

★★★☆☆
7 Bewertungen

Herkunftshinweise

Kategorie 1

Label	1	🛒
Label	1	🛒
Label	1	🛒
Label	1	🛒
Label	1	🛒

Kategorie 2

Label	1	🛒
Label	1	🛒
Label	1	🛒
Label	1	🛒

Bestellung

Lieferdatum

4/22/2012

| 2x Produkt 1 | 10.15 | ✖ |
| 1x Produkt 1 | 20.20 | ✖ |

Total   **10.15**

Bestellen

Herkunftshinweise: Fleisch: Schweiz, Geflügel: Schweiz (Bio)

Apero	Kontakt	Für Caterer
Italienisch	FAQ	Anmelden
Mediteran	Hilfe	FAQ
Tapas		Caterer-Verzeichnis
Desserts	Impressum	

5.4 Cart

| Apero bestellen | Hilfe | Login / Registrieren |

Ihr Warenkorb bei Spitzen-Apero Caterer

Lieferdatum   4/22/2012

| 2x Produkt 1 | 10.15 | ✖ |
| 1x Produkt 1 | 20.20 | ✖ |

Total   10.15

Bezahlen

Gutschein einlösen

Gutschein   Gutschein einlösen

Bezahlen

Apero		Kontakt		Für Caterer
Italienisch		FAQ		Anmelden
Mediteran		Hilfe		FAQ
Tapas				Caterer-Verzeichnis
Desserts		Impressum		

5.5 Checkout

Ihr Warenkorb bei Spitzen-Apero Caterer

🔲1 Apero-Bestellliste

Ihre Adresse	4/22/2012 📅▼	

	2x Produkt 1	10.15
	1x Produkt 1	20.20

Total		**10.15**

🔲2 Ihre Adresse

Firma:	Firma
Vorname:	Vorname
Name:	Name
Strasse:	Strasse
PLZ:	PLZ
Ort:	Ort

☑ Lieferadresse entspricht Rechnungsadresse

Login für bestehende Kunden

E-Mail	Email Address
Passwort	Passwort Login

🔲3 Zahlung

◉ VISA 💳 Kreditkarte (Stripe)
○ PayPal Paypal
○ Barzahlung bei Lieferung

🔒 Bei Zahlungen mit Post- oder Kreditkarte wird Ihnen ein Zuschlag von 2.4 % auf den Gesamtbetrag im Warenkorb verrechnet.Die Zahlungen werden über die SSL-verschlüsselte Seite des externen Anbieters abgewickelt

Bemerkungen

☑ Ich akzeptiere die AGB

Bestellen

Apero	Kontakt	Für Caterer
Italienisch	FAQ	Anmelden
Mediteran	Hilfe	FAQ
Tapas		Caterer-Verzeichnis
Desserts	Impressum	

5.6 Caterer registration

Done via additional link on the login page. Caterer needs to accept Contract (simply load a HTML template into a Lightbox) to accept certain regulations and the fee deducted during the ordering process. Everyone can register as caterer, however the caterer account must be approved by an admin using the AdminBackend.

Catering registration is done by using a wizard with single steps ("Step 1 – General Information, …). For some input fields there must be a tool tipp available (for instance by using button with a question mark right of the input box with further information what is expected to be entered in this field.

5.7 Caterer Backend profile

Tbd.

5.8 Caterer Backend product editor

Tbd

Caterer can create packages (link existing products) and set a price.
All products can have a discount price.
System allow different product types (simple product, customizable product, package).

5.9 Admin Backend

User/Caterer Management, order system, content management system for additional pages (imprint, etc).

6. Communication and Reporting

The developer provides Skype user account, or similar IM-system for reporting development status, progress information, unexpected problems etc. We use Jira to communicate, track issues, bugs, features. We expect a very professional and quick communication.

7. Data model

Following data model offers an overview and shows some important information to consider while modelling the database schema. The model is just a suggestion, but all changes must be communicated with the customer!

7.1 User

Column	Datatype	German Caption	Values / Description
_id	int		
company	varchar(250)	Firma	
title	varchar(100)	Anrede	[Herr, Frau]
address	varchar(250)	Adresse	
pobox	varchar(100)	Postfach	
zip	varchar(4)	PLZ	
city	varchar(250)	Ort	
country	varchar(250)	Land	Default "Schweiz"
email	varchar(250)	E-Mail	
phone	varchar(50)	Telefon	
mobile	varchar(50)	Mobile	
isGuestAccount	bool		Default 0, for Guest orders
deleted	bool		Default 0
deletedDate	datetime		Timestamp Deletion
createdDate	datetime		Timestamp Creation
createdIP	varchar(30)		IP address

Important to also allow guest orders, they should also be saved into the entity table User

7.2 Caterer

_id	int		
company	varchar(250)	Firma	
title	varchar(100)	Anrede	[Herr, Frau]
address	varchar(250)	Adresse	
pobox	varchar(100)	Postfach	
zip	varchar(4)	PLZ	
city	varchar(250)	Ort	
country	varchar(250)	Land	Default "Schweiz"
email	varchar(250)	E-Mail	
phone	varchar(50)	Telefon	
mobile	varchar(50)	Mobile	
description	varchar(max)	Beschreibung	Company description
productsOrigin	varchar(max)	Produktherkunft	Origin of the used products (Ham from Switzerland etc)
deleted	bool		Default 0
deletedDate	datetime		Timestamp Deletation
createdDate	datetime		Timestamp Creation
createdIP	varchar(30)		IP address

Important to also allow guest orders, they should also be saved into the entity table User

7.3 Order

_id	int		
_userId	int		
_supplierId	int		
deliveryCompany	varchar(250)	Lieferadresse Firma	Delivery address if different from userAccount
deliveryAddress	varchar(250)	Adresse	
deliveryZip	varchar(4)	PLZ	ZIP(Postcode)
deliveryCity	varchar(250)	Ort	
deliveryCountry	varchar(250)	Land	Default "Schweiz"
email	varchar(250)	E-Mail	
phone	varchar(50)	Telefon	
mobile	varchar(50)	Mobile	
paymentType	int	Zahlstatus	[Wire transfer, Cash, Creditcard]
status	int	Auftragsstatus	[Idle, Processing, Shipping, Complete, Deleted, Denied]
totalCost	decimal	Total	Total of the order
comments	varchar(max)	Bemerkung	comments by client about the order
deleted	bool		Default 0
deletedDate	datetime		Timestamp Deletation
createdDate	datetime		Timestamp Creation
createdIP	varchar(30)		IP address

System must support Multilanguage support for enum values (see paymentType, Status)

7.4 OrderProducts

_id	int	
_orderId	int	
_productId	int	
amount	decimal	
price	decimal	

System must support Multilanguage support for enum values (see paymentType, Status)

7.5 OrderTransaction

Transaction information if paid using Stripe/Paypal per eachorder.

7.6 Product

Product data model can be chosen by contractor. The products types available for the customer/caterer should support:

- Simple products (1 Product, 1 Price)
- Configurable product with attributes, which customer can choose (dropdown-values, created by caterer or checkboxes for multi selection)

- o Pizza with checkboxes for all ingredients
- o Menu special: 1 pasta (Spaghetti, Penne, Rigatoni), 1 Salad dressing (French, Italian), 1 beverage

7.7 ZipCodes

ZIP	int	
city	varchar(100)	

Imported csv file in git repo.

8. Milestones

ID	Title	Description	Deadline
01	Data Model	Create entities according to the data model.	
02	AdminBackend	List all available users, caterers, orders (display and delete entities, editors are done in a further milestone)	
03	Frontend Design	Create and map the first version of the frontend and display CMS pages.	
04	Register as Users	User registration, send Welcome HTML mail, Password lost function and send Mail to reset Password.	
05	Register as Caterer	Wizard to create a caterer account and allow approving the account using the AdminBackend	

9. Delivery Plan

9.1 Deliverables and Receivers

DL	**Live-Deadline, Project online and publically available**	**2016 Q2/Q3**

The entire source code including libraries has to be handed over to the contractor after finishing contact. This applies also for the case, the contact is being cancel during the project.

10. Security Aspects

The website handles sensitive user data and therefore needs to make sure, the site takes countermeasures and prevents weaknesses using secure software engineering technics. The website follows state-of-the-art best practices regarding safety, security and of the website data and protecting it against vulnerabilities. This measures include (list is not conclusive):

- HTTPS-support (SSL)
- Passwords stored as Hash-Value
- Preventing known website vulnerabilities e.g. Cross Site scripting (XSS), Cross site Request Forgery (CSRF), SQL-Injection. See Open Web Application Security Project (OWASP) for further details.

11. Revision

Rev. ind.	Page (P) Chapt. (C)	Description	Date Dept./Init.
1	---	original version	2016-05-20
2		data model	2016-06-08