

# Documentação em português

## Projeto BusinessSysMan

Gerenciador de Empresas Livre

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Contribuidores	Daniel
Patrocinadores	Daniel
Designers	Daniel

Belo Horizonte, 7 de fevereiro de 2017

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## Resumo

Este projeto tem o intuito de facilitar a administração financeira e de funcionários de pequenas, médias e grande Empresas sem nenhum custo e com total liberdade de alteração e distribuição. Inicialmente baseada na framework de interface gráfica nativa do linux GTK, buscamos o máximo de performance e compatibilidade com o mínimo de dependências para que a consulta aos dados seja rápida e acessível a todos. Todos arquivos estão disponibilizados em um [repositório do GitHub](#) com cada etapa do processo de criação.

# 1 Metodologia

## 1.1 Organização e Planejamento do Projeto

O trabalho foi dividido em 3 fases:

1. a fase de planejamento;
2. a fase de produção e elaboração dos casos de teste;
3. a fase de conclusão.

### 1.1.1 Fase de Planejamento

Na fase de planejamento elaboramos diagramas que representariam a estrutura do programa, a lógica a ser implementada e ”rascunhos” de como seria a aparência das ”telas” do programa, além de estudarmos as ferramentas que melhor auxiliariam na solução do problema proposto.

### 1.1.2 Fase de produção e elaboração dos casos de teste

Esta fase é composta por 3 etapas:

1. Criação de testes unitários para garantir estabilidade e correspondência ao planejamento feito na fase anterior;
2. desenvolvimento do código garantindo o sucesso dos testes criados;
3. aperfeiçoamento do código buscando maior legibilidade e menor complexidade de processamento.

### **1.1.3 Fase de conclusão e distribuição**

Nesta fase iremos rodar o programa em várias arquiteturas estudando seu comportamento e reparando onde forem encontrados problemas, logo em seguida iremos empacotar para as maiores distribuições linux.

## **1.2 Ferramentas utilizadas**

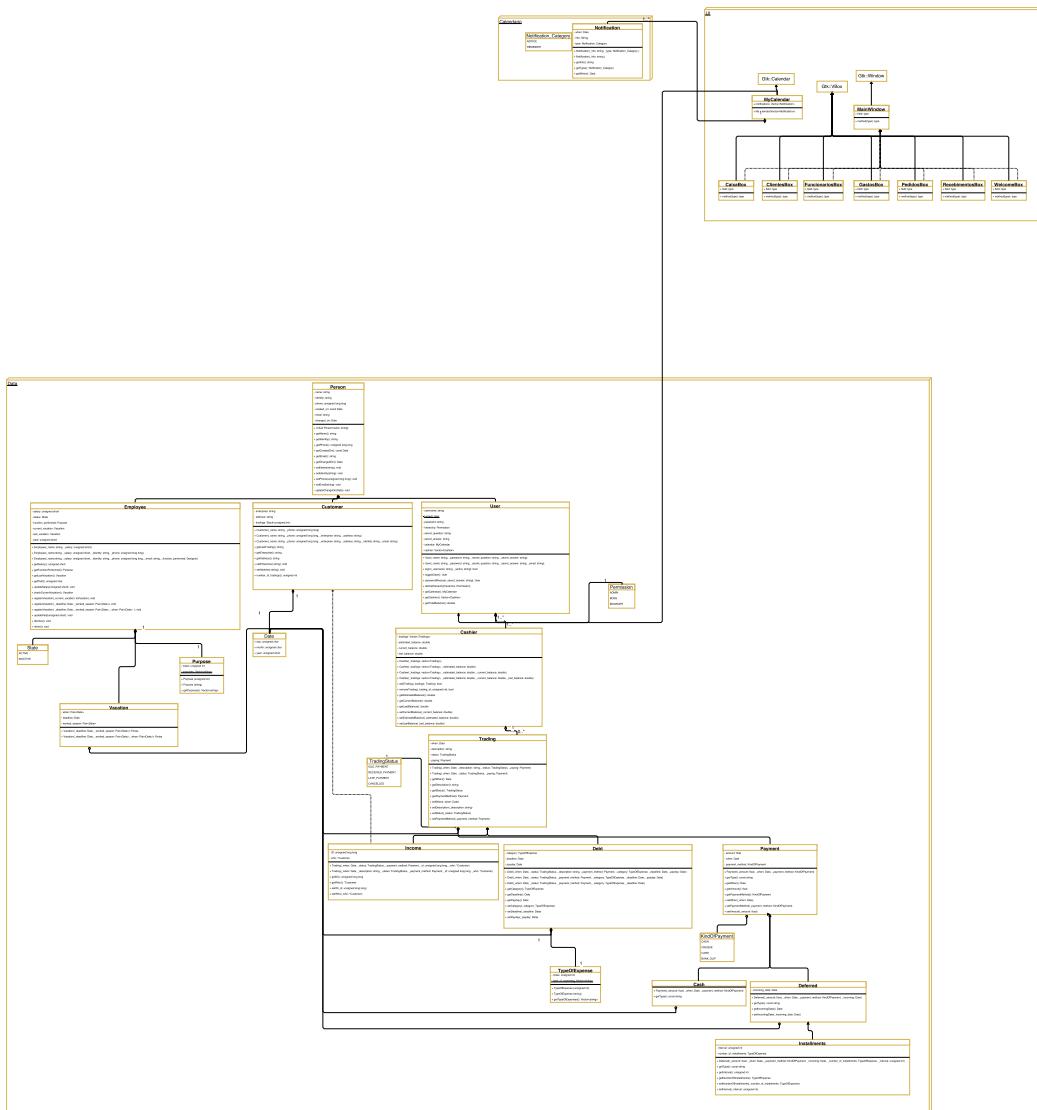
Durante a execução do projeto foi necessária a utilização de diversas ferramentas (listadas na tabela 1).

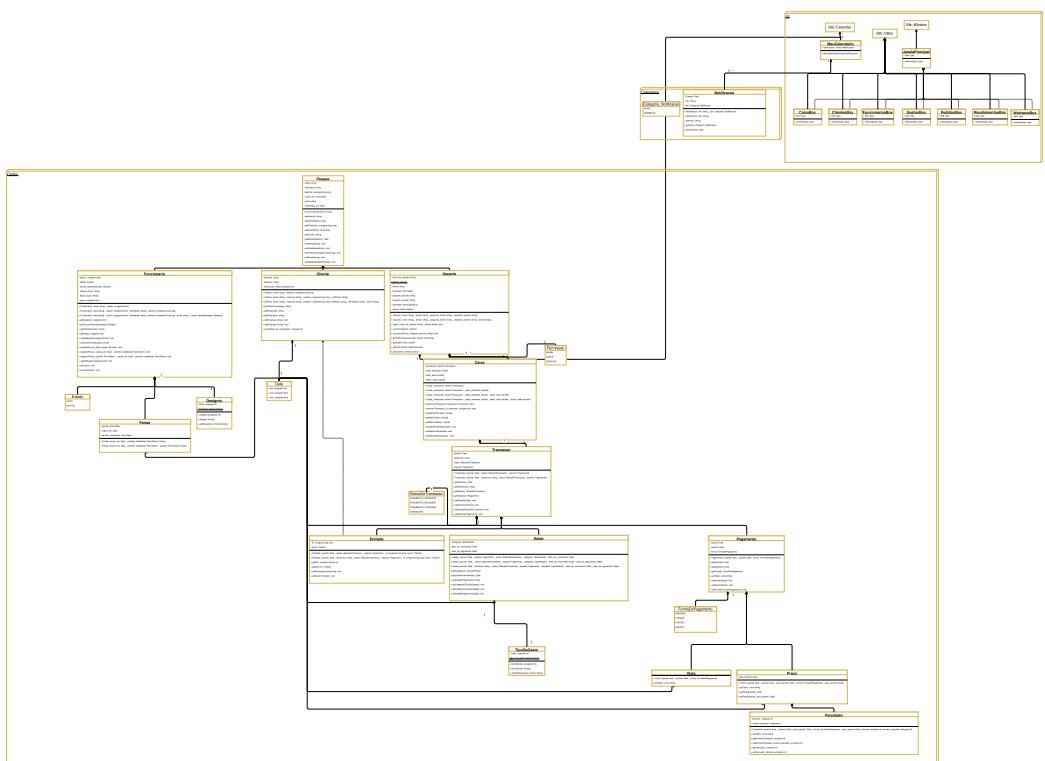
Nome	Function	Função
Tex-Studio	Writing Documentation	Escrever Documentação
CppUnit	Unit-testing	Teste unitário
cmake	Cross-platform compiling	Compilação multiplataforma
draw.io	UML Designer	Desenhar UML
tablesgenerator.com	Generate LaTeX tables	Gerador de tabelas LaTeX
Github	Version-control	Controle de Versão
IRC	Chatting and code sharing	Contato e compartilhamento de código

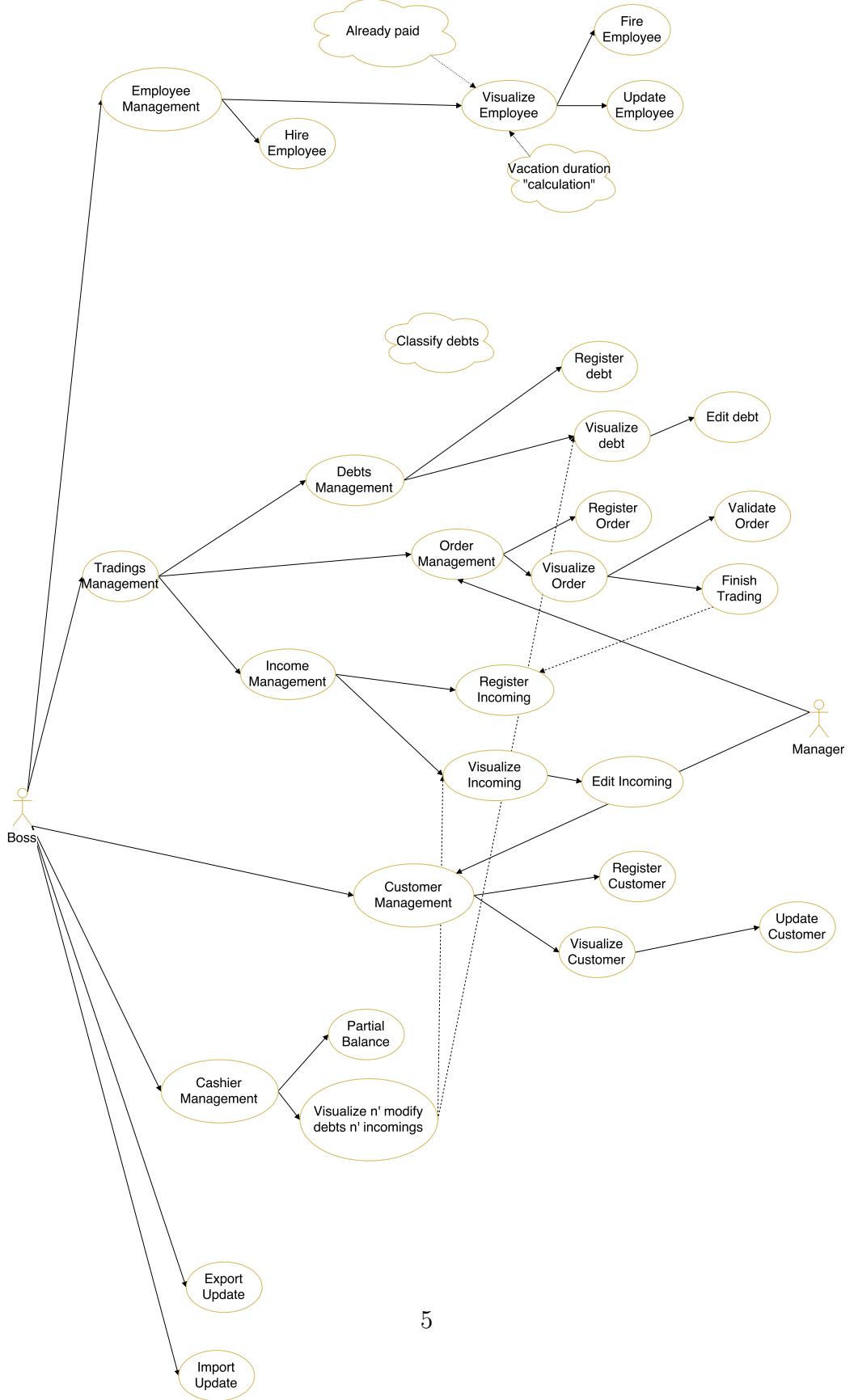
Tabela 1: Lista de Software e Ferramentas

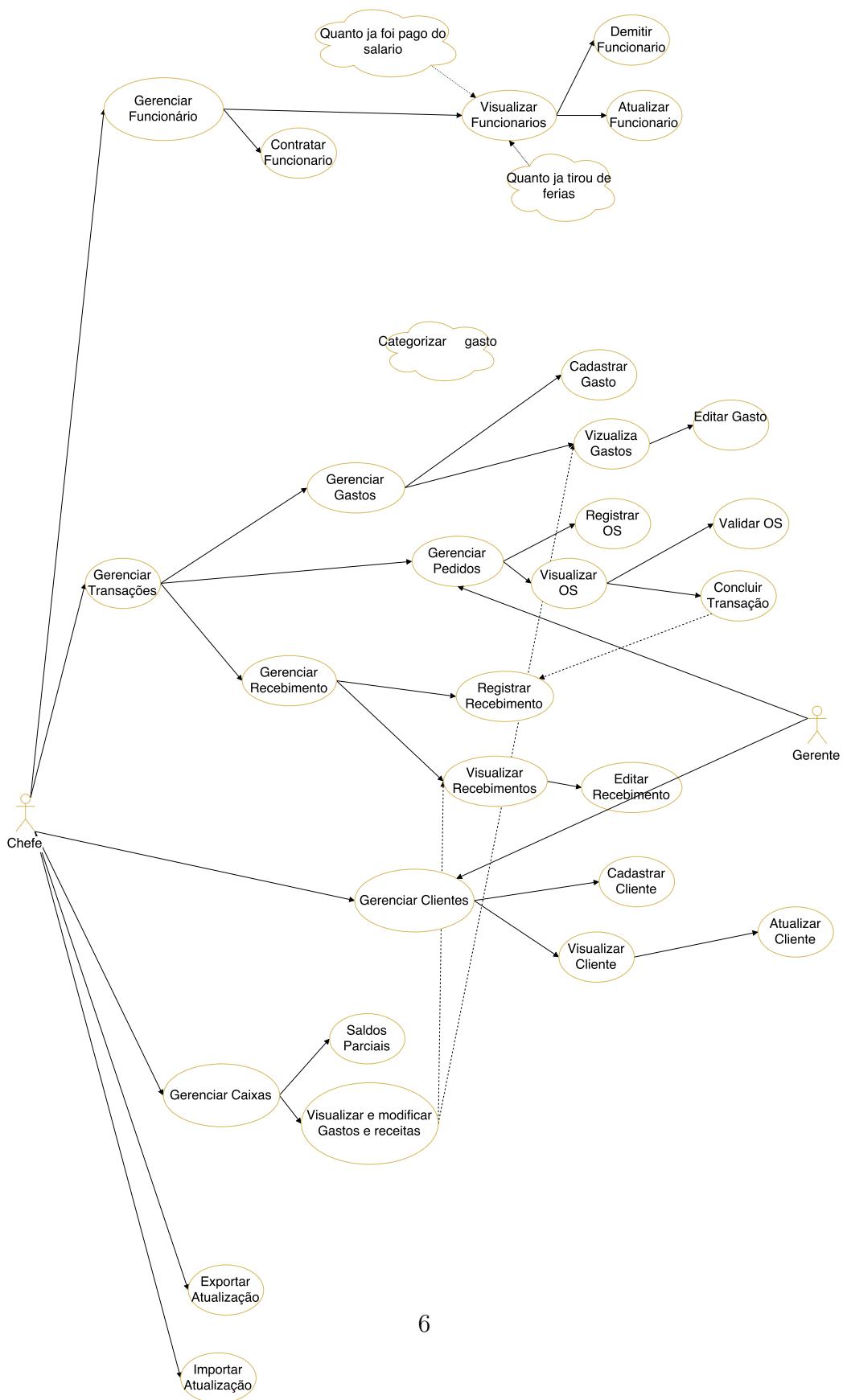
## 2 Diagramas, Licença e Códigos fontes utilizados

### 2.1 Diagramas









## Cliente.png

quando for selecionado uma pesquisa sera utilizado  
algoritmo de busca que possibilita a procura por  
artigos parecidos

Visualizar Clientes																																															
Pesquisar Clientes																																															
<input type="text" value="caixa de pesquisa - nome, telefone, endereço, email, serviços"/>					<input type="button" value="Confirmar"/>																																										
<p><b>Visualizar Clientes</b></p> <table border="1"> <thead> <tr> <th>Nome</th> <th>Empresa</th> <th>Telefone</th> <th>Identidade</th> <th>Endereço</th> <th>Email</th> <th>Serviços Prestados</th> </tr> </thead> <tbody> <tr> <td>Víctor</td> <td>Prazer</td> <td>(31) 99950-0232</td> <td>123.123.123-00</td> <td>Rua Belaria, 23 - Oeste Prest., Belo Horizonte</td> <td>victorvgh@gmail.com</td> <td>02, 03, 04</td> </tr> <tr> <td>Víctor</td> <td>Prazer</td> <td>(31) 99950-0232</td> <td>123.123.123-00</td> <td>Rua Belaria, 23 - Oeste Prest., Belo Horizonte</td> <td>victorvgh@gmail.com</td> <td>02, 03, 04</td> </tr> <tr> <td>Víctor</td> <td>Prazer</td> <td>(31) 99950-0232</td> <td>123.123.123-00</td> <td>Rua Belaria, 23 - Oeste Prest., Belo Horizonte</td> <td>victorvgh@gmail.com</td> <td>02, 03, 04</td> </tr> <tr> <td>Víctor</td> <td>Prazer</td> <td>(31) 99950-0232</td> <td>123.123.123-00</td> <td>Rua Belaria, 23 - Oeste Prest., Belo Horizonte</td> <td>victorvgh@gmail.com</td> <td>02, 03, 04</td> </tr> <tr> <td>Víctor</td> <td>Prazer</td> <td>(31) 99950-0232</td> <td>123.123.123-00</td> <td>Rua Belaria, 23 - Oeste Prest., Belo Horizonte</td> <td>victorvgh@gmail.com</td> <td>02, 03, 04</td> </tr> </tbody> </table> <p><input type="button" value="Cadastrar Cliente"/></p>						Nome	Empresa	Telefone	Identidade	Endereço	Email	Serviços Prestados	Víctor	Prazer	(31) 99950-0232	123.123.123-00	Rua Belaria, 23 - Oeste Prest., Belo Horizonte	victorvgh@gmail.com	02, 03, 04	Víctor	Prazer	(31) 99950-0232	123.123.123-00	Rua Belaria, 23 - Oeste Prest., Belo Horizonte	victorvgh@gmail.com	02, 03, 04	Víctor	Prazer	(31) 99950-0232	123.123.123-00	Rua Belaria, 23 - Oeste Prest., Belo Horizonte	victorvgh@gmail.com	02, 03, 04	Víctor	Prazer	(31) 99950-0232	123.123.123-00	Rua Belaria, 23 - Oeste Prest., Belo Horizonte	victorvgh@gmail.com	02, 03, 04	Víctor	Prazer	(31) 99950-0232	123.123.123-00	Rua Belaria, 23 - Oeste Prest., Belo Horizonte	victorvgh@gmail.com	02, 03, 04
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Obs: Sera possível ordenar os clientes por cada item da lista

Obs: Todas as datas serão inseridas através de um calendário

Existirá o cliente anônimo

**Observações:**  
 1. Só sera possível deletar cliente clicando no campo do cliente e editando suas informações;  
 2. Será necessário sempre que um cliente existente;  
 3. Será necessário sempre que um cliente existente;  
 4. Só sera possível inserir cliente para cadastrar cliente  
 o nome, telefone e endereço;

Cadastrar Cliente					
Cadastrar Cliente					
Nome:	<input type="text"/>	Empres:	<input type="text"/>	Telefone:	<input type="text"/>
Identidade:	<input type="text"/>	Endereço:	<input type="text"/>	Cidade:	<input type="text"/>
Email:	<input type="text"/>	<input type="button" value="Cancelar"/> <input type="button" value="Confirmar"/>			

## Funcionario.png

Clicando sera possivel editar informações do funcionário  
- obs: será redirecionado para a mesma tela de contratar funcionários,  
informando já essa com os dados amigos ja preenchidos

Visualizar Funcionários																																																																				
Pesquisar Funcionários																																																																				
<input type="text" value="caixa de pesquisa - nome, telefone, endereço, email, serviços"/>					<input type="button" value="Pesquisar"/>																																																															
<p><b>Lista de Funcionários</b></p> <table border="1"> <thead> <tr> <th>Pagamento</th> <th>Funcionário</th> <th>Identidade</th> <th>Telefone</th> <th>Email</th> <th>Função</th> <th>Salário</th> <th>Data de Contratação</th> <th>Data das Últimas Férias</th> </tr> </thead> <tbody> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> <tr> <td>Preto</td> <td>Víctor</td> <td>123.123.123-12</td> <td>(31) 93245-4321</td> <td>victorvgh@gmail.com</td> <td>Técnico</td> <td>R\$=8.000,00</td> <td>16/04/1997</td> <td>16/04/1997</td> </tr> </tbody> </table> <p><input type="button" value="Adicionar Férias"/> <input type="button" value="Deletar Funcionário"/> <input type="button" value="Cadastrar Funcionário"/></p>						Pagamento	Funcionário	Identidade	Telefone	Email	Função	Salário	Data de Contratação	Data das Últimas Férias	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997	Preto	Víctor	123.123.123-12	(31) 93245-4321	victorvgh@gmail.com	Técnico	R\$=8.000,00	16/04/1997	16/04/1997
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Os botões irão aparecer apenas quando um funcionário for selecionado

Quando for apontado para este  
aparecerá uma informação de percentagem

Obs: Sera possível ordenar os funcionários por cada item da lista

Obs: Todas as datas serão inseridas através de um calendário

Contratar Funcionário					
Contratar Funcionário					
Nome:	<input type="text"/>	Identidade:	<input type="text"/>	Telefone:	<input type="text"/>
Email:	<input type="text"/>	Função:	<input type="text"/>	Salário:	<input type="text"/>
Data de Contratação:	<input type="text"/>	<input type="button" value="Cancelar"/> <input type="button" value="Confirmar"/>			

Tela disponível apenas para odds funcionários

Confirmar contratação de Víctor

Adicionar Férias					
Adicionar Férias					
Data de Início:	<input type="text"/>	Data de Fim:	<input type="text"/>	<input type="button" value="Cancelar"/> <input type="button" value="Confirmar"/>	

Tela disponível apenas para odds funcionários

Gastos.png

Obs: Para confirmar o pagamento sera necessário inserir data de pagamento

Obrigado sera possível cadastrar informações de gastos.

Obs: Sera redirecionado para a mesma tela de Cadastrar gastos, entretanto já esta com os dados antigos já preenchidos.

Pedidos.png

Terá uma "botão" que permitirá cadastrar novos pedidos

**Filtros de Pedidos**

Pedidos pendentes  Pedidos recebidos  Pedidos atendidos  Pedidos cancelados  Todos os pedidos

Status do Pedido	Cliente	Data de Entrada	Nº OS	Preço	Descrição do Serviço
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234
Pendente	Victor	27/09/2017	09	R\$230,00	Refinhar cabeçote da modelo ADGE-234

Modificar Status do Pedido |  Cadastrar Pedido

**Adicionar Pedido**

Cliente: Victor |  Confirmar Contato

Nº da OS:   
Preço Estipulado:   
Descrição:

Confirmar Cadastro

**Modificar Status de Pedido**

Descrição do Pedido:  
Cliente: Victor  
Data de Entrada: 27/09/2017  
Nº da OS: 09  
Preço Estipulado: R\$230,00  
Descrição do Serviço: Refinhar cabeçote do modelo ADGE-234

Status:  
 Pendente  
 Recebido  
 Atendido  
 Cancelado

Confirmar Status

**Confirmar Status**

Confirmar novo status  
Valor Recibido:   
 Confirmar |  Cancelar

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