

MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

INTERNATIONAL UNIVERSITY OF INFORMATION TECHNOLOGIES

Faculty of information technology

Department of computer engineering and information security

Creation of a site to search for car services

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Goal:

Create a web application to search for car services

Stages of web application development :

- Definition of project goals and objectives
- Distribution of tasks
- Analysis of domain area
- Architecture of developing web site
- Development of the algorithm for the server part
- User interface development
- Testing and Troubleshooting
- Browse and run the web application

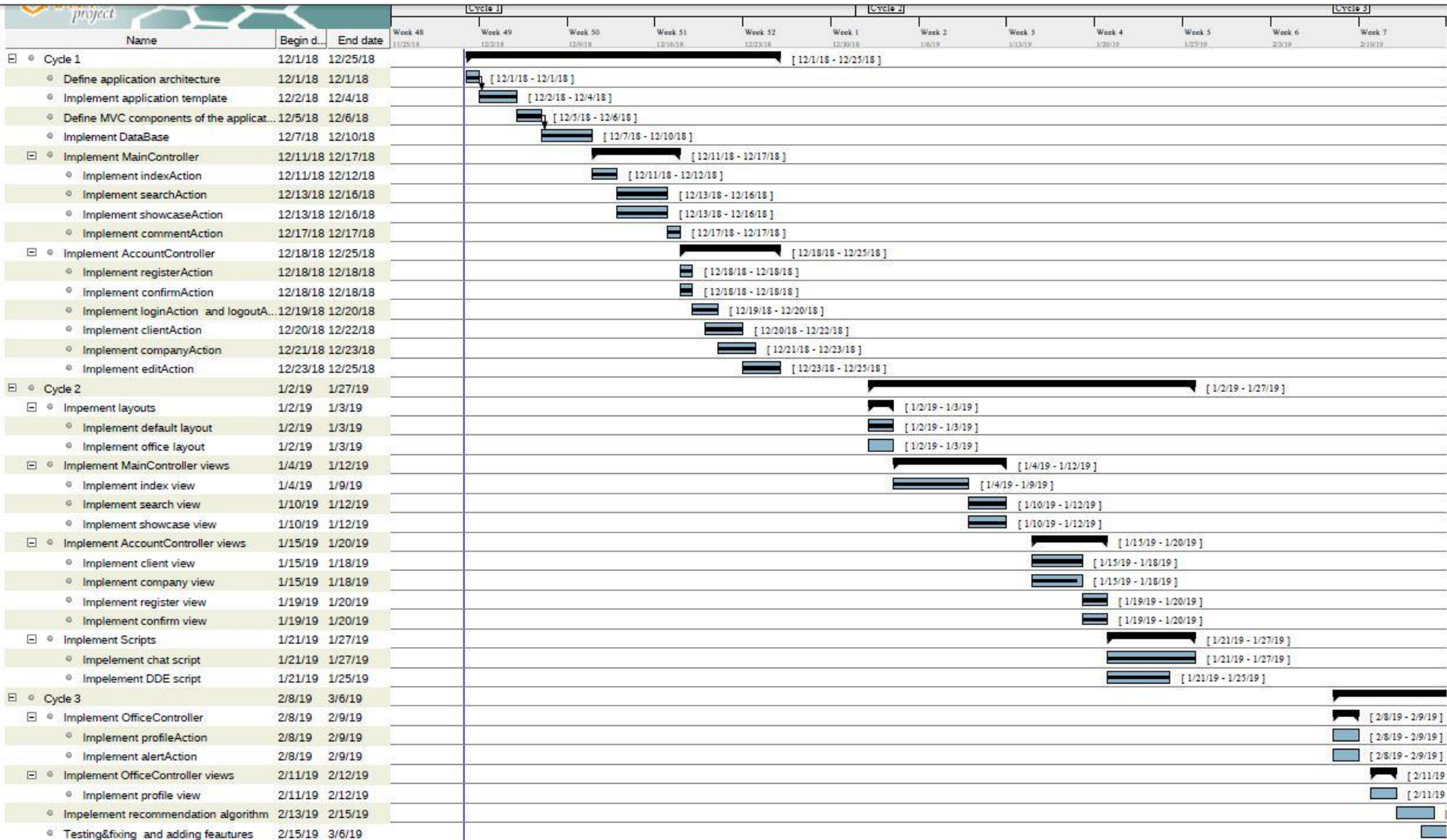
Relevance of the topic:

Lack of applications to search for car services

Tasks:

- Determine the main functionality of the application
- Select development tools
- To choose programming languages
- To create a template design for the web app
- To create the database structure
- Develop an algorithm for the web application
- Create an algorithm for selecting services and applications

Calendar plan



Web-site development technologies

- Server side development language:
 - PHP

- Client side development languages & technologies :
 - HTML
 - CSS
 - Bootstrap (grid only)
 - JavaScript
 - jQuery
 - Ajax (for DCL)

Development tools when creating a website

- PhpStorm
- Visual Studio Code
- Brackets
- Browser Sync

Status review

Liber Project

Feb 4, 2019

Liber

<http://f0181426.xsph.ru/>

Project manager

Aliyas Nurtileu

Project dates

Dec 1, 2018 - Mar 7, 2019

Completion

63%

Tasks

41

Resources

2

Web application for searching auto industry related services

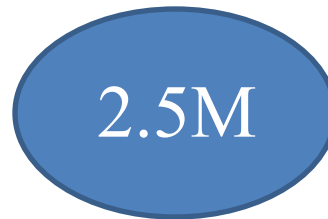
Completed Cycles: **2**

Analysis of the domain area

Market	Shopping	Tourism	Entertainment and etc.
Example	Lamoda.kz	Aviasales.kz	Chocolife.me
	-----	-----	-----
	1. ~4K users / 1 d.	1. ~ 1.5K users / 1d.	1. 1 purchase / 20sec
	2. 1 of the leaders / 1.5 y.	2. In 30 most popular websites	2. More than 1.5M registered users
	3. ~ 800K orders / 1 y.	3. ~ 150K purchases / 1y.	3. 96% of orders get reply in 15sec



Car owners



Internet users



Fully functional
car services searching websites

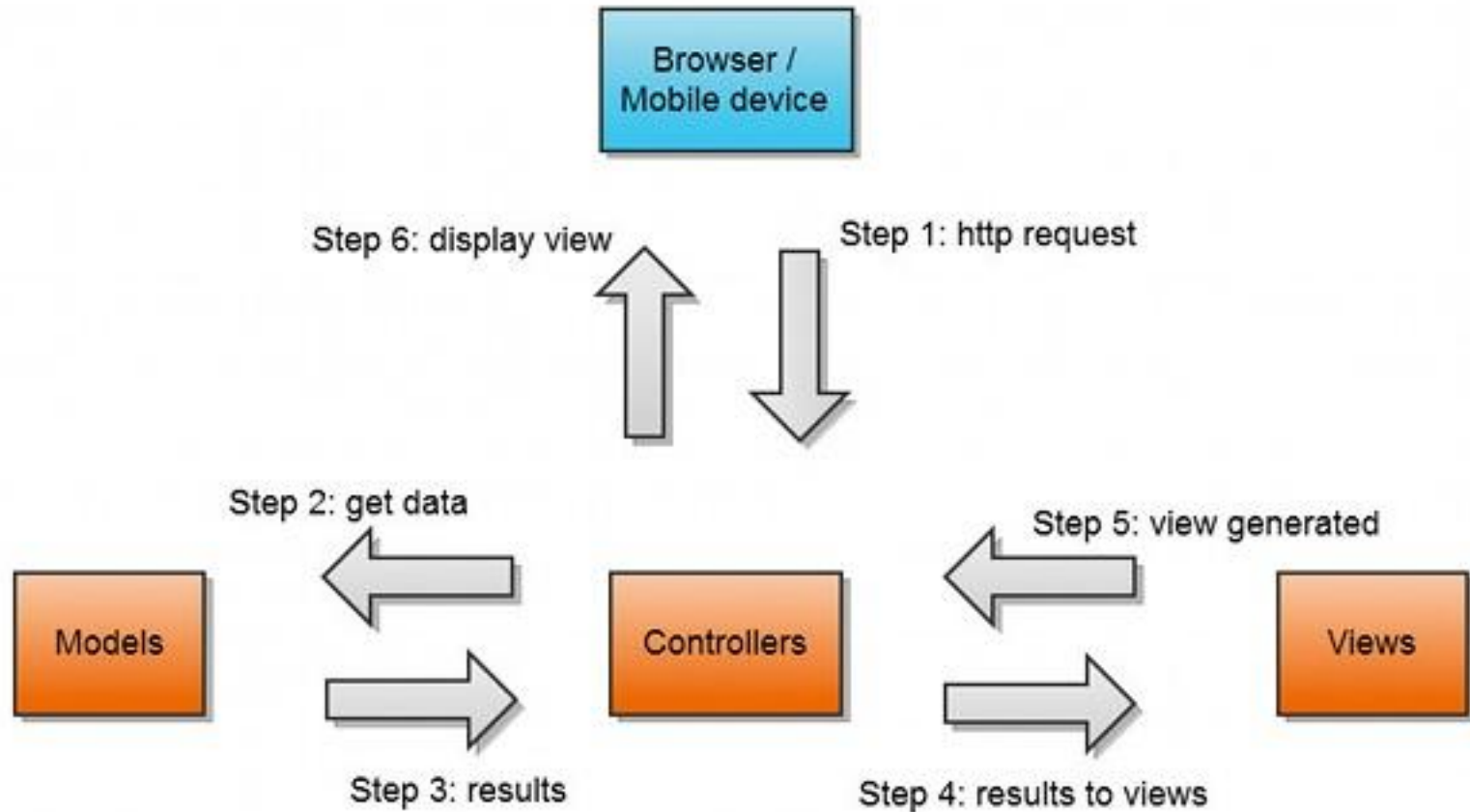
Analysis of analogs

Name	Uremont.com	Carmap.kz	Kolesa.kz (services)
Advantages	<ol style="list-style-type: none"> 1. Prevalence 2. ----- 3. ~ 100 cities 4. ~ 15K services 	Still in development	<ol style="list-style-type: none"> 1. Prevalence 2. ~ 14K unique users / 1d. 3. Mobile app
Disadvantages	<ol style="list-style-type: none"> 1. High cost of use for services 2. Lower speed of performance 	Still in development	<ol style="list-style-type: none"> 1. Poorly developed user interface 2. Lower speed of performance 3. 73 of 80 people doesn't use it for service search

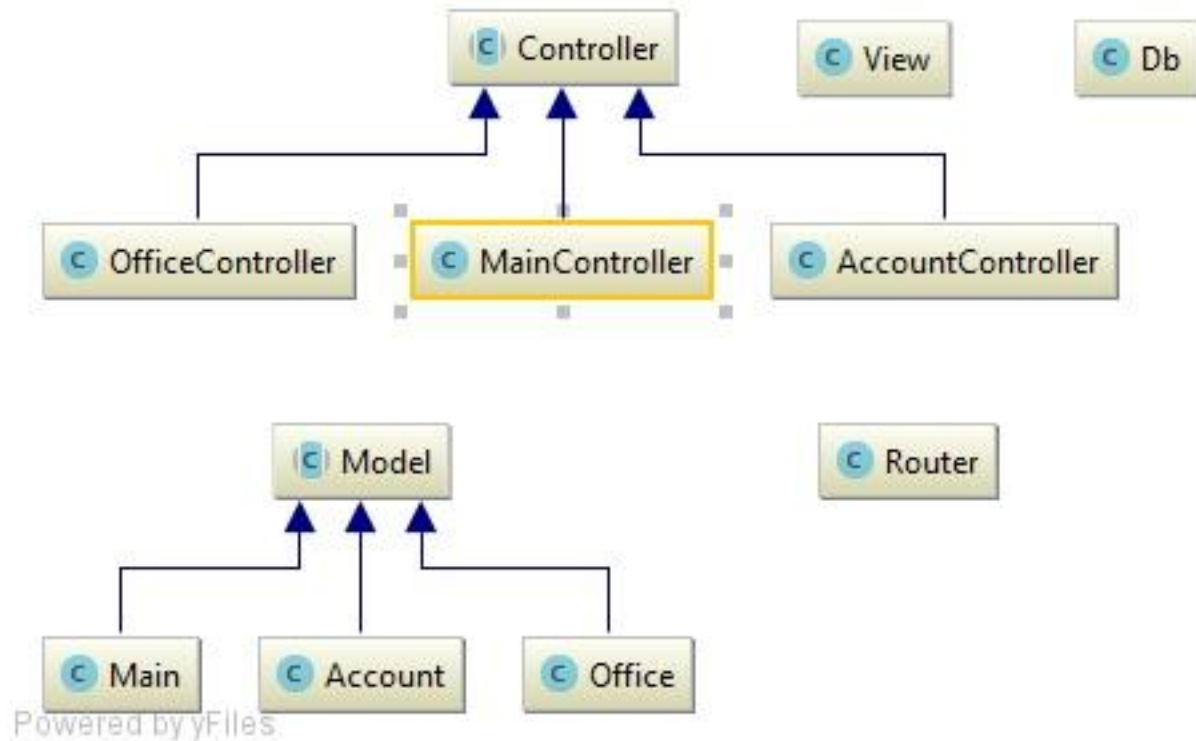
Why do people have to use our web app ?

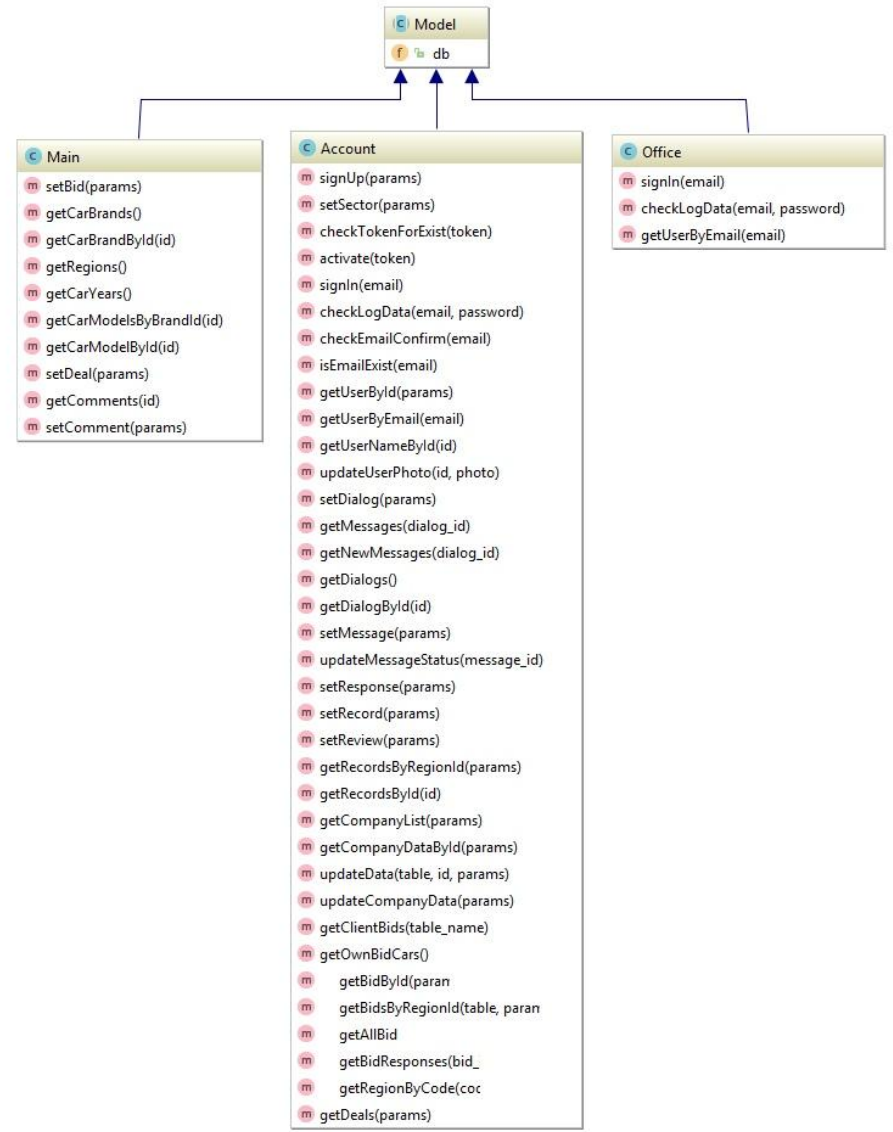
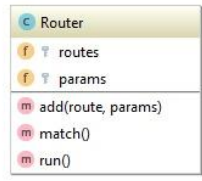
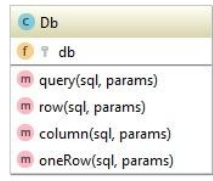
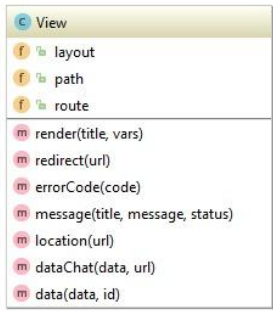
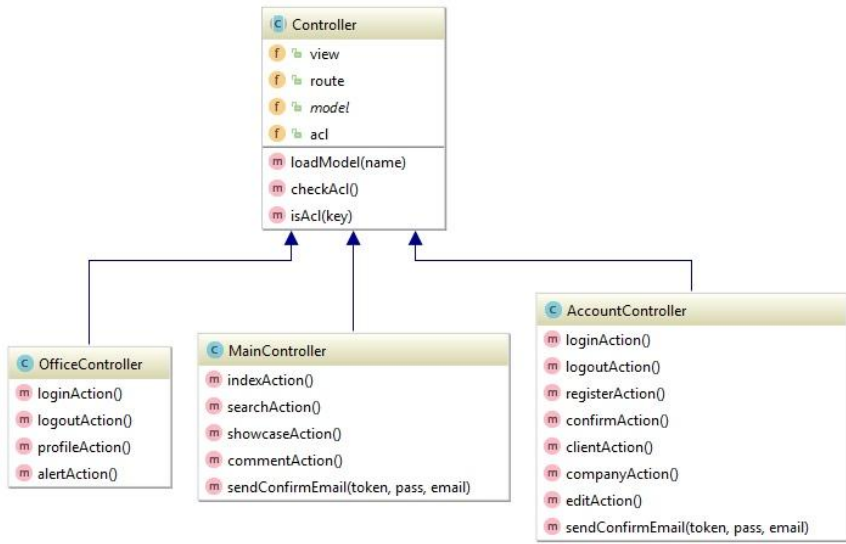
- Cost:
 - Free for services
(later cheaper than others)
- Design:
 - Cross-platform
 - Minimalistic
- Performance:
 - No frameworks
 - DDL
 - High speed of performance
- Content:
 - Posts for promotions & customer attraction
 - Chat for better communication
 - Services, Rent and Stores | All in one place !

The architecture of the creating web application

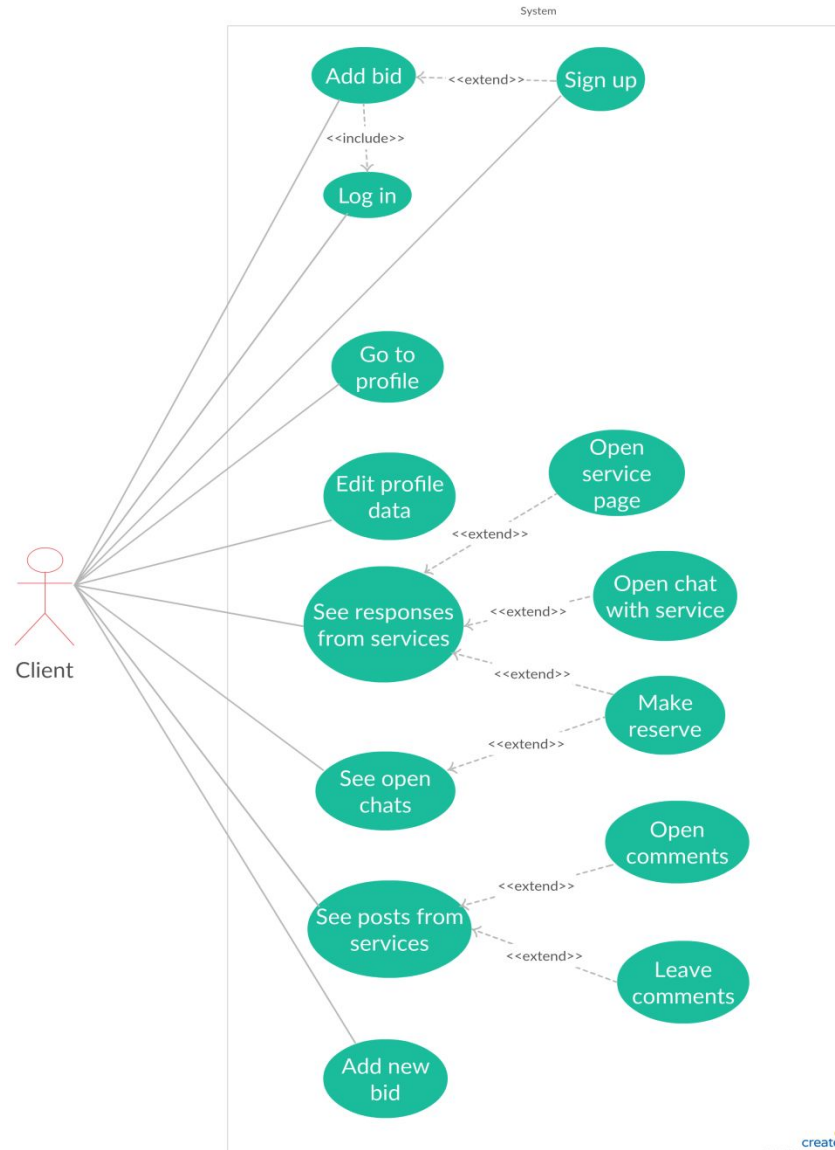


The architecture of the classes

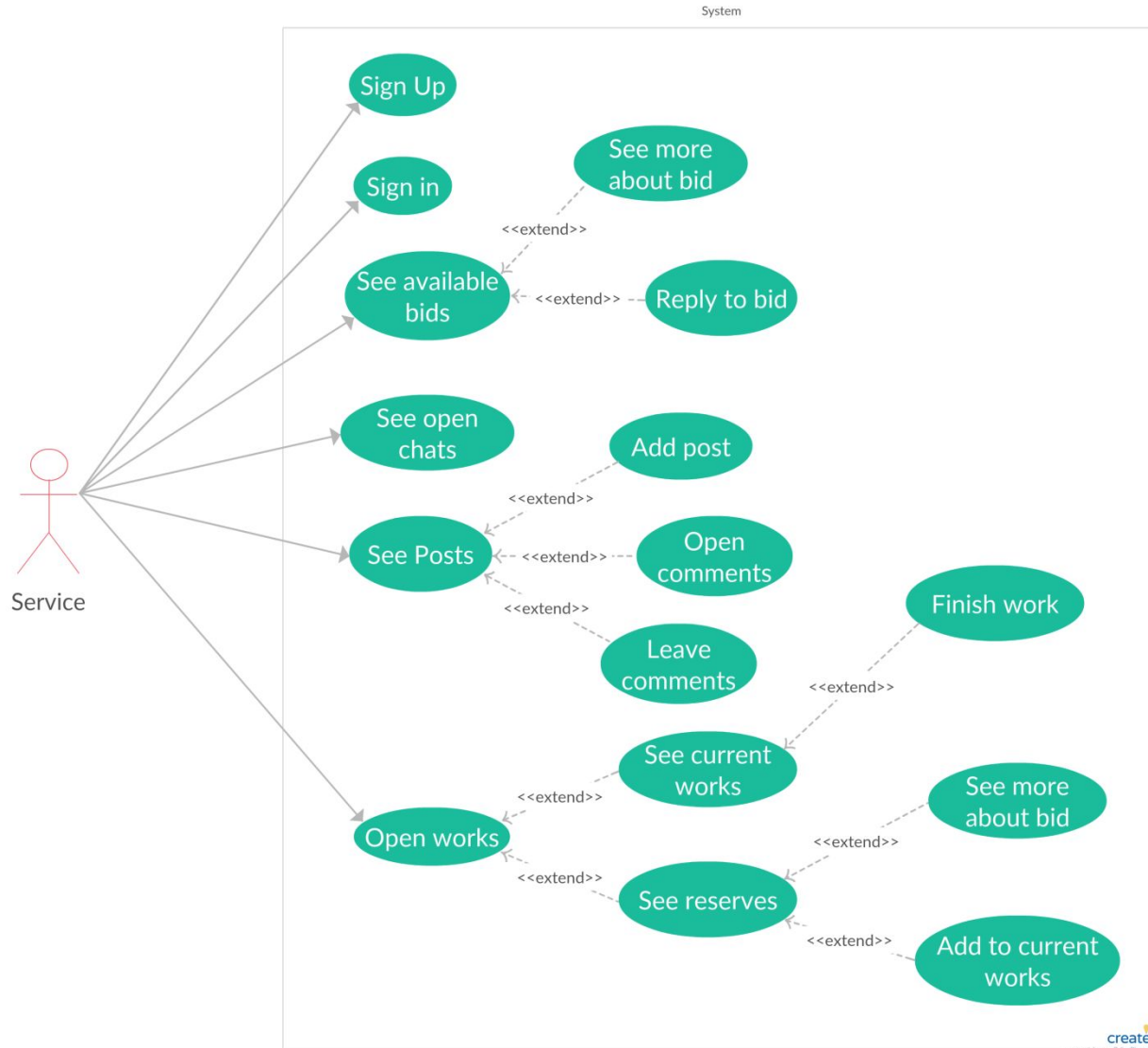




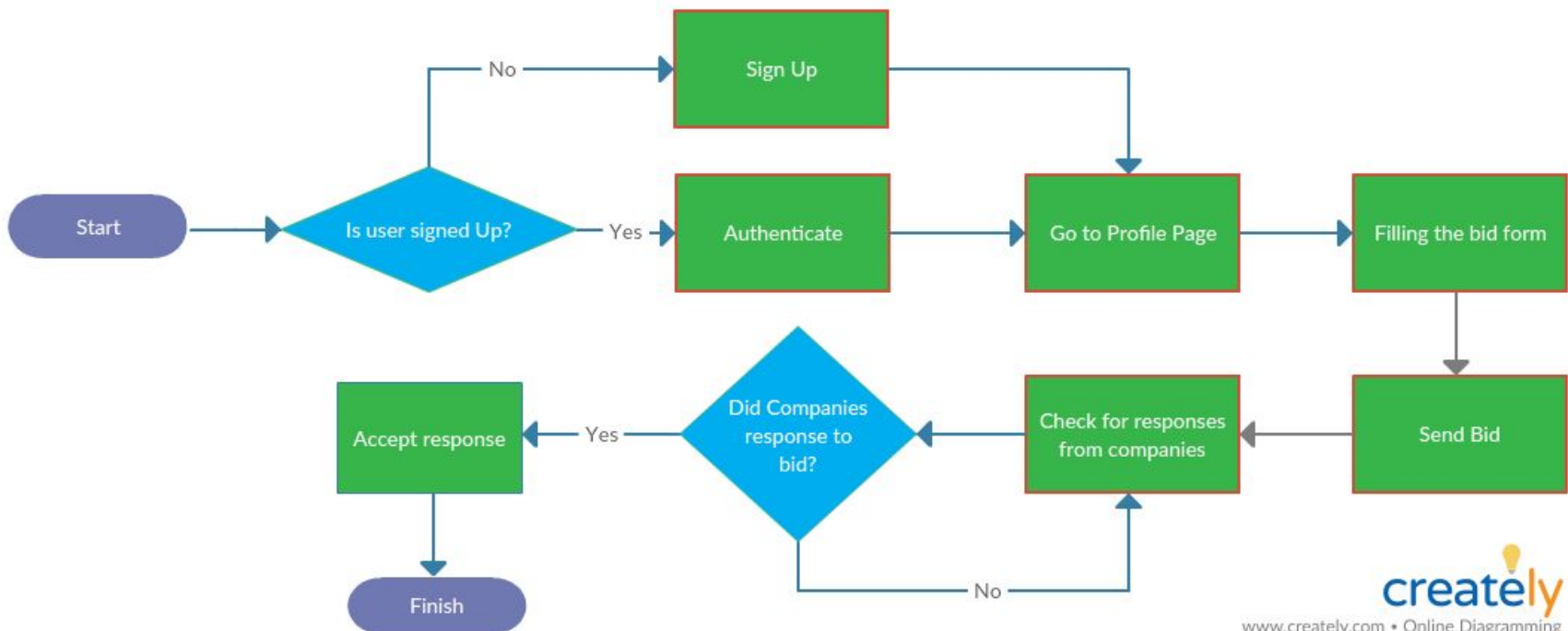
Client Use Case diagram



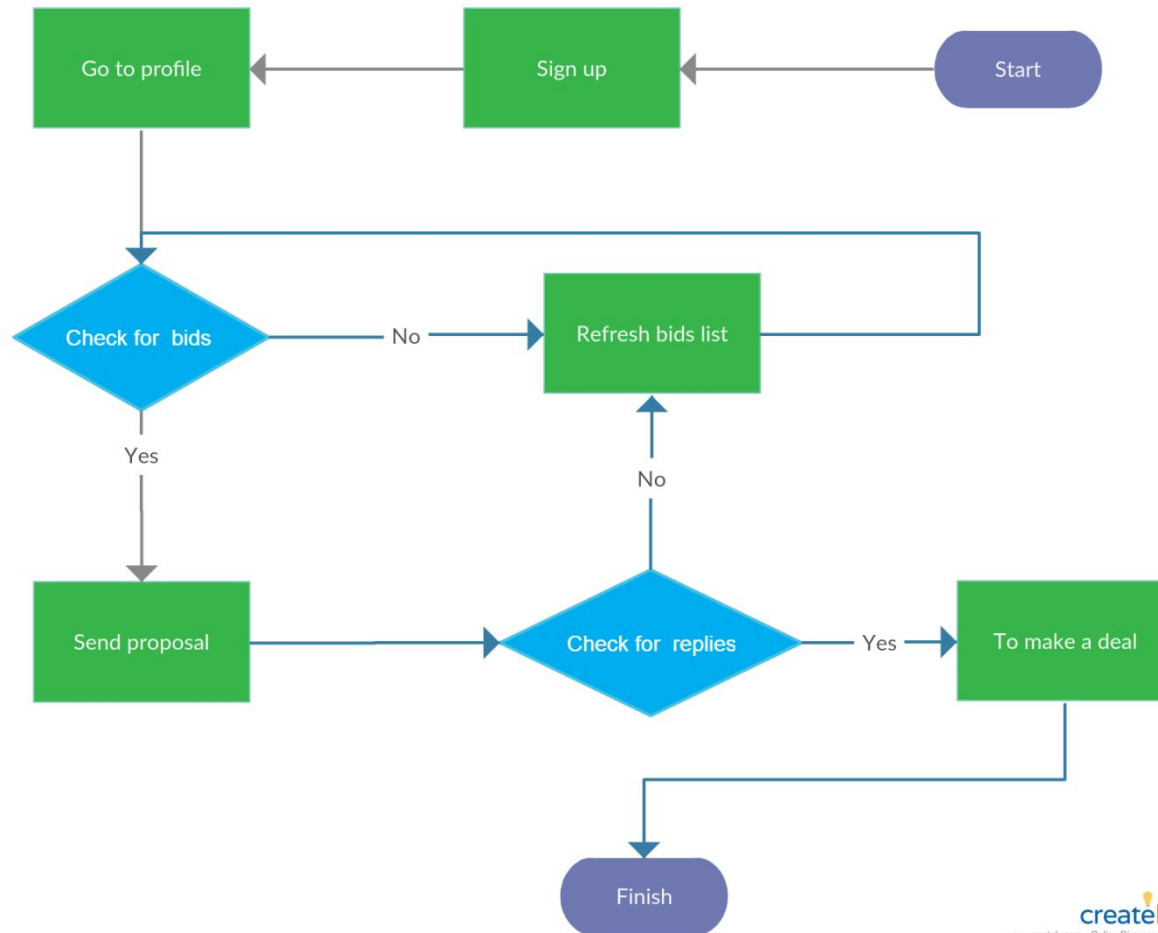
Service Use Case diagram



Client activity diagram



Company activity diagram



Description of Data Structure

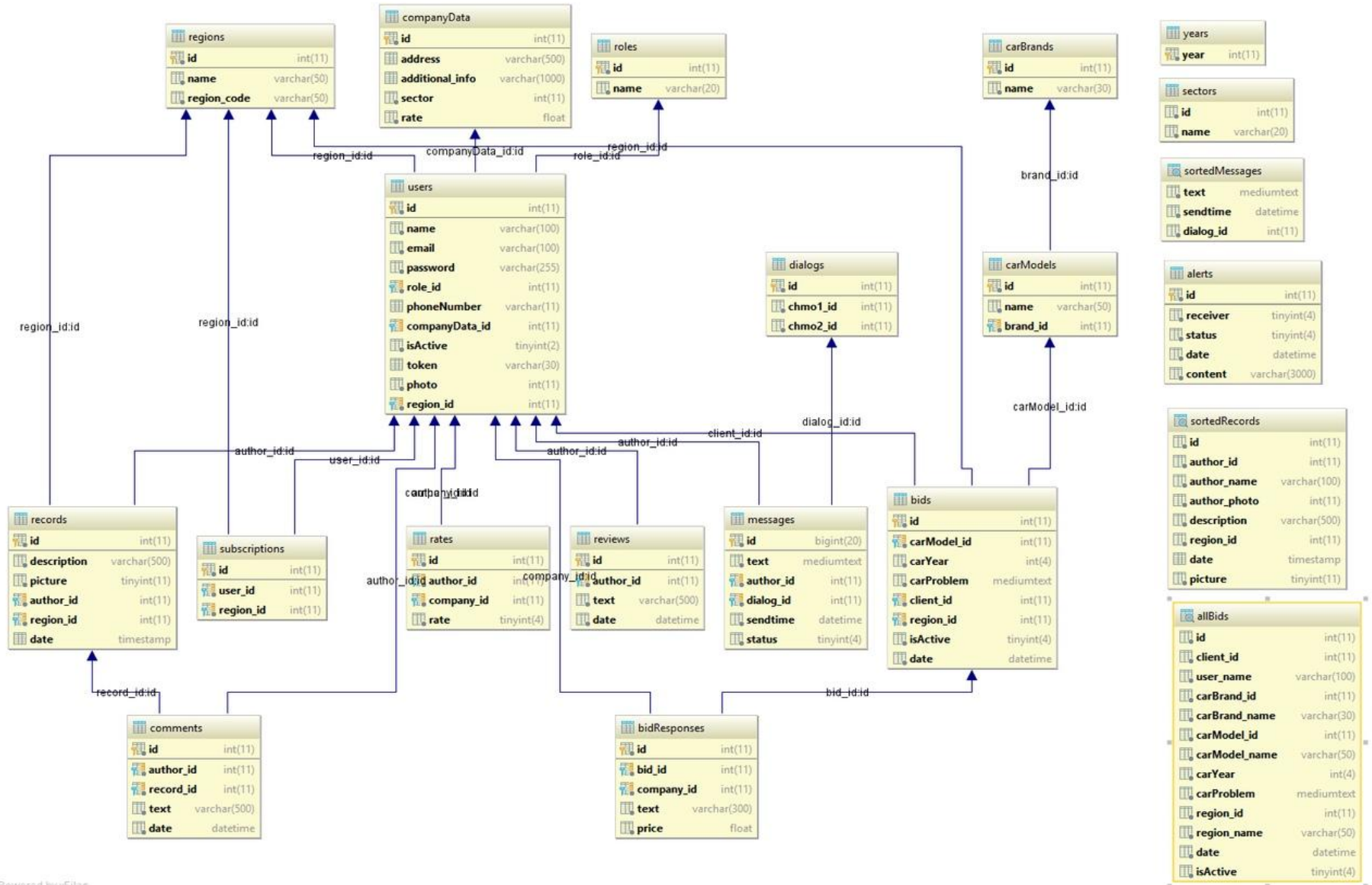
Storage model : Relational

In the developed application data will be stored in several tables as:

- User data
- Its role (client, service)
- Vehicle data
- Bid data

those and other tables will store and provide data to the application and users as needed.

ER diagram of the DataBase



Important elements of the web site

- Online chat for correspondence
- Posts (promotions, discounts)
- Selection of services algorithm
 - Location
 - Average price
 - Average rating
 - Key words

and any other info

Conclusion

The result of work on the diploma project will be – a working web site to find auto repair shops for customers, and for auto repair shops – a platform for promotion and customer attraction.

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