



CP5047 ICT Phase - 2

**Assessment Task 3: PROJECT AUDIT(FINAL)**

**Lecturer: Laura Antochi**



[www.romashka.ictatjcub.com](http://www.romashka.ictatjcub.com)

**Team Members:**

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## ROLES AND CONTRIBUTIONS

Name	Project role(s)	Individual contributions
Anastasia Verchak	Project manager, tester	<ul style="list-style-type: none"> <li>- Client agreement</li> <li>- Prototypes</li> <li>- Communication with the client</li> <li>- White box testing</li> <li>- Project management tools</li> <li>- Documentation</li> <li>- Client testing acceptance form</li> <li>- Client acceptance form</li> <li>- Front end design</li> <li>- Moodle developing</li> <li>- Final presentation</li> <li>- Bug fixing</li> </ul>
Charanpreet Kaur	Front-End Developer	<ul style="list-style-type: none"> <li>- Configuration management</li> <li>- Front-end development</li> </ul>
Harshitha Paderu	Back-End Developer	<ul style="list-style-type: none"> <li>- Burn down and velocity charts</li> <li>- Steps for new member to setup database and hosting environment</li> <li>- Development tools - phpmyadmin, hosting environment - WinSCP</li> <li>- Back-end development</li> <li>- External Framework Implementation and Maintenance</li> <li>- Documentation Proof-reading and editing</li> <li>- Bug fixing</li> </ul>
Rajendra Manandhar	Front-End Developer	<ul style="list-style-type: none"> <li>- Front-end and Server Side Scripting</li> <li>- Bug fixing</li> </ul>

## **PROJECT DESCRIPTION AND JUSTIFICATION**

The initial goal of this project- Romashka- is to develop a responsive website with high efficiency, learnability, memorability and safety; for the staff, students/parents of the Russian language school - Romashka.

At this stage, Romashka is a fully functional web based application designed to fulfill the needs of the Russian Language School located at 6 Lawson Street, Southport, Queensland. This web application allows users (Students and Staff) to sign up into the student portal designed for intuitive teaching and learning process where they can see the subjects they have been enrolled, edit and update their profile, upload assignments and check the similarities between the students to avoid plagiarism with the help of online portal named Moodle.

Apart from this there is an admin portal where the admin of Romashka can log in with given credentials. Admin will have his own dashboard where he can see the details of students, teachers, receive messages from page visitors, add to and delete images from the gallery.

The project also incorporates a few external frameworks like FoxyCart and EventBrite for the successful working of some functionalities.

The following mentioned points are the most suitable justifications for this project:

1. Most of the Russian language school websites are NOT responsive.
2. They provide different and lesser information on their English version when compared to more information on their Russian version.
3. No website has a login portal for staff/students.
4. No website has a SSL certificate and so are not be trusted.
5. No website meets the standard layout that all business websites follow these days.

# CLIENT ACCEPTANCE FORMS

## Alpha Release



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Brisbane Campus

### ICT ADVANCED PROJECT CLIENT ACCEPTANCE AND SIGN-OFF FORM

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Romashka Website **Created by** Anastasia Verchak

<b>Project name:</b>	Romashka school website
<b>This Document is issued by:</b>	Anastasia Verchak
<b>Client:</b>	Victor Ovhinnikov
<b>Release</b>	Alpha
<b>Date:</b>	30/01/2019

The Project Outcome has been measured against its acceptance criteria and has been formally accepted on behalf of the customer. The alpha release may now be closed.

Alpha release User Stories:

Start date: 24/12/2018

End date: 30/01/2019

Requirements:

Title	Description	Client Priority	Time estimate (days)
Login page	Access to the profile for checking the study progress and upload a homework, paying fees and etc	10	5
Home page	Access to the whole web-site, main page with news, greetings and main menu	10	5
Registration page	Registration to the school	10	3

**Beta release User Stories:**

Start date: 15/03/2019

End date: 15/04/2019

Requirements to be developed:

<b>Title</b>	<b>Description</b>	<b>Client Priority</b>	<b>Time estimate (days)</b>
Bug fixing	See AlphaTestReport.pdf	10	5
Confirmation page	presents the total amount to be paid	20	5
Payment page	process the payment	20	5
Subject Selection page	Students can enroll by choosing the subjects for the first time and confirm their enrollment	20	5
Edit Selection page	Edit the choices of subjects (withdrawing, changing of subjects)	20	5
Dashboard	Student has an access to his study activities	10	5
Contact us page	Access to the contact details of the school to find its location, phone number for any queries.	20	2
Why we page	Access to the information about the school involving teaching programs, events ,etc.	20	5

**Why us****Project manager**

Anastasia Verchak

Signature


**Client**

Victor Ovchinnikov

Signature



# Beta Release

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## ICT ADVANCED PROJECT CLIENT ACCEPTANCE AND SIGN-OFF FORM

Project name:	Romashka school website
This Document is issued by:	Anastasia Verchak
Client:	Victor Ovhinnikov
Release	Beta
Date:	26/04/2019

The Project Outcome has been measured against its acceptance criteria and has been formally accepted on behalf of the customer. The alpha release may now be closed.

### Beta release User Stories:

Start date: 22/03/2019

End date: 26/04/2019

Title	Description	Client Priority	Time estimate (days)
Bug fixing	See AlphaTestReport.pdf	10	5
Enrolment	As an Admin, I want to enrol students to the subject so that a student could study	10	3
Creating a user	As an Admin, I want to create a user so that a student or a teacher could have an access to the Moodle	10	3
Creating a subject	As an Admin, I want to create a new subject so that a student could study that subject in the future	10	3
Assign role to a user	As an Admin, I want to assign role (student, teacher) to a user so that the website would be protected	10	3
Subject Selection page	Students can enrol by choosing the subjects for the first time and confirm their enrolment	20	5
Edit Selection page	Edit the choices of subjects (withdrawing, changing of subjects)	20	5
Dashboard	Student has an access to his study activities	10	5
Contact us page	Access to the contact details of the school to find its location, phone number for any queries.	20	2
Why us page	Access to the information about the school involving teaching programs, events, etc.	20	5

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**Final release User Stories:**

**Start date: 27/04/2019**

**End date: 19/06/2019**

Title	Description	Client Priority	Time estimate (days)
Bug fixing	See BetaTestReport.pdf	10	5
Blog(Admin)	Allows the admin to post articles about school that visitors can read.	40	3
Events Page	Allows visitors to check upcoming event details, and register if necessary	40	1
Blog(Visitor)	Allows visitors to read the blogs posted by the admin(like or dislike and comment on it)	50	3
Why us page (Admin)	As an Admin, I want to add/delete stuff members and subjects from the web page so that all information would be up-to-date in the database as well.	30	5
Confirmation page	presents the total amount to be paid	20	5
Payment page	process the payment	20	5
Gallery (admin)	As an Admin, I want to add/delete photos from the Gallery page so that all information would be up-to-date in the database as well.	50	1
Gallery	Allows all visitors to view images of school, events conducted,etc	50	1

Project manager

Anastasia Verchak

Signature



Client

Victor Ovchinnikov

Signature



## FINAL RELEASE PROPOSED

Title	Description	Client Priority	Time estimate (days)
Bug fixing	See BetaTestReport.pdf	10	5
News(Admin)	Allows the admin to post articles about school that visitors can read.	40	3
Events Page	Allows visitors to check upcoming event details, and register if necessary	40	1
News(Visitor)	Allows visitors to read the blogs posted by the admin(like or dislike and comment on it)	50	3
Why Us page (Admin)	As an Admin, I want to add/delete stuff members and subjects from the web page so that all information would be up-to-date in the database as well.	30	5
Confirmation page	Presents the total amount to be paid	20	5
Payment page	Process the payment	20	5
Gallery (admin)	As an Admin, I want to add/delete photos from the Gallery page so that all information would be up-to-date in the database as well.	50	1
Gallery	Allows all visitors to view images of school, events conducted, etc	50	1

## FINAL RELEASED DELIVERED

**Start date: 27/04/2019<sup>11 SEP</sup>**

**End date: 05/06/2019**

### **Delivered User Stories:**

Title	Description	Client Priority	Time estimate (days)
Events Page	Allows visitors to check upcoming event details, and register if necessary	40	1
News(Visitor)	Allows visitors to read the blogs posted by the admin(like or dislike and comment on it)	40	3
Confirmation page	presents the total amount to be paid	20	5
Payment page	process the payment	20	5
Gallery (admin)	As an Admin, I want to add/delete photos from the Gallery page so that all information would be up-to-date in the database as well.	50	1
Gallery (visitor)	Allows all visitors to view images of school, events conducted, etc.	50	1
Admin Dashboard	Allows the Admin to view Student and Teacher details, receive messages from visitors.	30	5

## Undelivered User Stories:

Title	Description	Client Priority	Time estimate (days)
News(Admin)	Allows the admin to post articles about school that visitors can read.	40	3
Why us page (Admin)	As an Admin, I want to add/delete stuff members and subjects from the web page so that all information would be up-to-date in the database as well.	30	5

**\*\* The above mentioned user stories could not be delivered by the developer as an additional feature, ‘Admin Dashboard’ was planned, and had to be delivered with a higher priority.**

# CLIENT ACCEPTATION FOR THE FINAL RELEASE



CP5046 / CP5047 - ICT Advanced Project

## **ICT ADVANCED PROJECT CLIENT ACCEPTANCE AND SIGN-OFF FORM**

Project name:	Romashka school website
This Document is issued by:	Anastasia Verchak
Client:	Victor Ovhinnikov
Release	Final
Date:	05/06/2019

The Project Outcome has been measured against its acceptance criteria and has been formally accepted on behalf of the customer. The final release may now be closed.

**Final release User Stories:**

**Start date: 27/04/2019**

**End date: 05/06/2019**

**Delivered User Stories:**

Title	Description	Client Priority	Time estimate (days)
Events Page	Allows visitors to check upcoming event details, and register if necessary	40	1
Blog(Visitor)	Allows visitors to read the blogs posted by the admin(like or dislike and comment on it)	50	3
Confirmation page	presents the total amount to be paid	20	5
Payment page	process the payment	20	5
Gallery (admin)	As an Admin, I want to add/delete photos from the Gallery page so that all information would be up-to-date in the database as well.	50	1
Gallery	Allows all visitors to view images of school, events conducted, etc	50	1

CP5046 / CP5047 - ICT Advanced Project

**Not delivered User Stories:**

Title	Description	Client Priority	Time estimate (days)
Blog(Admin)	Allows the admin to post articles about school that visitors can read.	40	3
Why us page (Admin)	As an Admin, I want to add/delete stuff members and subjects from the web page so that all information would be up-to-date in the database as well.	30	5

Project manager

Anastasia Verchak

Signature



Client

Victor Ovchinnikov

Signature



## DIFFERENCES BETWEEN ITERATIONS

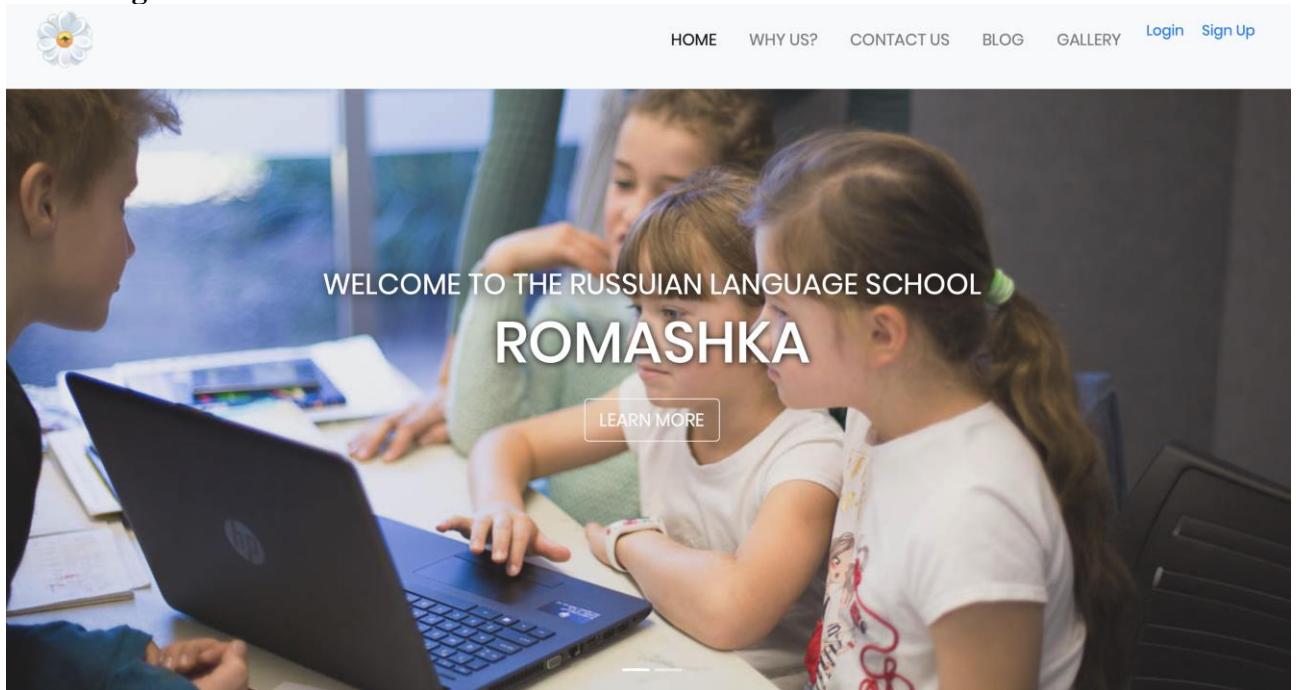
### ALPHA

Alpha stage was mainly about learning and team collaboration which were extremely important for the next two stages of the project development. After immense research and study, the team found that an implementing of Dashboard user story could have several issues, connected with the difficulties of developing and structure of the dashboard page. It was decided to:

- Move user story Dashboard to the Beta release
- Find external service which provides all appropriate sources for delivering customer's requirements.
- 

The User Stories developed during Alpha were:

- **Home Page**



- **Registration Page and**

The registration page features a logo of a stylized flower in the top left corner. To its right is a navigation bar with links for HOME, WHY US?, CONTACT US, BLOG, and GALLERY. Below the navigation are seven input fields for personal information: First Name, Surname, Phone Number, Email, ZIP, Street, and State. Each field has a placeholder text above it. A 'Register' button is located at the bottom of these fields. At the very bottom of the page, there is contact information for the school: 'RUSSIAN LANGUAGE SCHOOL ROMASHKA 6 Lawson St, Southport' on the left, and a 'GET IN TOUCH' section with social media icons for Facebook, LinkedIn, and Instagram on the right.

- Login Page

**RUSSIAN LANGUAGE  
SCHOOL  
ROMAKSHA**  
6 Lawson St, Southport

**GET IN TOUCH**



## The Database

Table	Columns
ictatjcu_romashka.registration	ID : int(20), Fname : varchar(20), Sname : varchar(20), Pnum : varchar(30), email : varchar(45), zip : varchar(6), street : varchar(80), state : varchar(20)
ictatjcu_romashka.login	stuID : varchar(20), username : varchar(30), password : varchar(30)
ictatjcu_romashka.staff	StfID : varchar(20), Fname : varchar(20), Lname : varchar(30)
ictatjcu_romashka.subject	SubID : varchar(20), SubName : varchar(35), StfID : varchar(20)

## BETA

As planned for the Beta release of Romashka, bugs that were encountered in alpha were fixed and major changes in the web application were made. The header, navigation bar, footer, login and registration page of the website had been changed as per the clients request. For beta release the front end design of the user profile dashboard (supported by Moodle), Contact Us Page and Why us page were completed.

## Moodle

### Mathematic

Dashboard / My courses / Math / Participants

#### Participants

No filters applied

Search keyword or select filter ▼

Enrol users

Number of participants: 3

First name All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Surname All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Select	First name	/ Surname	Email address	Roles	Groups	Last access to course	Status
<input type="checkbox"/>	Admin User		anastasia_verchak@icloud.com	Student 	No groups	5 secs	Active   
<input type="checkbox"/>	Harshitha Paderu		harshup96@gmail.com	Teacher 	No groups	10 days 21 hours	Active   
<input type="checkbox"/>	Preeti Kaur		preetinarula412@gmail.com	Student 	No groups	Never	Active   

Select all Deselect all  With selected users... Choose... ▾

Enrol users

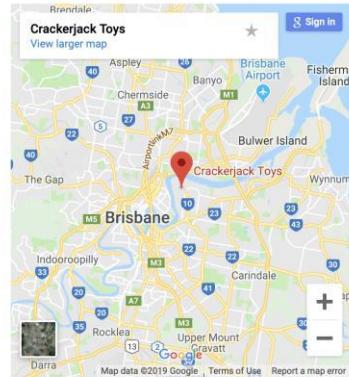
## Contact Us



HOME WHY US? CONTACT US BLOG GALLERY LOGIN SIGN UP 

### GET IN TOUCH

Full Name
Business Email ( <a href="#">Privacy Policy</a> )
Company
Tell us about yourself
Would you like to subscribe to our Customer Experience Blog?
<input type="radio"/> Yes
<input checked="" type="radio"/> No
<b>Send Message</b>



RUSSIAN LANGUAGE SCHOOL

**ROMASHKA**

51 Lawson St, Southport

OUR SPONSORS



GET IN TOUCH

Phone: 0468926494

Email: [info@schoolromashka.com.au](mailto:info@schoolromashka.com.au)

## Why Us?

 [HOME](#) [WHY US?](#) [CONTACT US](#) [BLOG](#) [GALLERY](#) [LOGIN](#) [SIGN UP](#)

### Meet Our Team



**Jane Doe**  
Math Teacher  
  
She is 30 year old very experienced teacher.  
Jane@example.com

[Contact](#)



**Mike Ross**  
Art Teacher  
  
Experienced with unique teaching style  
Mike@example.com

[Contact](#)



**John Doe**  
Science Teacher  
  
30 year old very experienced teacher.  
John@example.com

[Contact](#)



**Jane Doe**



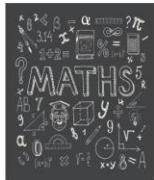
**Mike Ross**



**John Doe**

 [HOME](#) [WHY US?](#) [CONTACT US](#) [BLOG](#) [GALLERY](#) [LOGIN](#) [SIGN UP](#)

### Courses We Offer



**Russian Math**  
Mathematics includes the study of such topics as quantity, structure, space, and change. Mathematicians seek and use....

[View More](#)



**Russian Science**  
The strength of Science and its online journal sites rests with the strengths of its community of authors, who provide....

[View More](#)



**Russian Language**  
Russian is the largest native language in Europe and the most geographically widespread language in Eurasia. It is the ....

[View More](#)



**Russian Literature**  
Literature, a body of written works. The name has traditionally been applied to those imaginative works of poetry and prose....

[View More](#)

## The Database

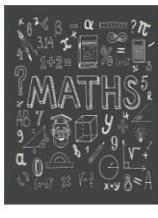
Table	Action	Rows	Type	Collation	Size	Overhead
contactUs	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8_general_ci	16 Kib	-
course	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8_general_ci	32 Kib	-
enrollement	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8_general_ci	32 Kib	-
login	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	utf8_general_ci	32 Kib	-
staff	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8_general_ci	16 Kib	-
user	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	0	InnoDB	utf8_general_ci	16 Kib	-
6 tables	<a href="#">Sum</a>	4	InnoDB	utf8_general_ci	144 Kib	0 B

## FINAL

The subject selection page (cart) and payment page were postponed to the final release of the project Romashka because the client had given lesser priority to those pages. Also, for in the final release of the web application the admin panel was created which gave the flexibility to admin to view student and staff details, messages from page visitors, adding and deleting images from the gallery. External Frameworks like FoxyCart and EventBrite are incorporated at this stage.

## Subject and Cart

**Courses**



**Russian Math**

Students are taught to think both on a concrete and abstract level, to employ reason, logic, and to utilize previous knowledge.

Price: \$15AUD/HR

[Pay Now](#)



**Russian Science**

The strength of Science and its online journal sites rests with the strengths of its community of authors.

Price: \$15AUD/HR

[Pay Now](#)

## Events

[HOME](#) [WHY US?](#) [EVENTS](#) [NEWS](#) [GALLERY](#) [CONTACT US](#) [LOGIN](#) [SIGN UP](#)

### PTG's Back to School Picnic

08-05-2019

EVENT DETAILS

The PTG's Back to School Picnic is a great way for new and returning families, staff, and alumni to start off the school year. Food, fun and games for all. A wonderful time to meet the teachers, welcome new families, and see old friends! In the winter trimester, our attention turns to The All School Production, an extravaganza of singing, dancing.

For More Info Contact: Jane@example.com

[Buy Ticket](#)

### All School Production

08-05-2019

EVENT DETAILS

In the winter trimester, our attention turns to The All School Production, an extravaganza of singing, dancing and acting. It brings together the hard work and dedication of students, teachers, and parents from both schools and of all ages, from elementary, middle and high school and of all ages, from elementary, middle and high school.

For More Info Contact: Jane@example.com

[Buy Ticket](#)

## News

[HOME](#) [WHY US?](#) [EVENTS](#) [NEWS](#) [GALLERY](#) [CONTACT US](#) [LOGIN](#) [SIGN UP](#)

## NEWS

### HEALTH NEWS

08-05-2019

Be You (previously Kids Matter) is a national initiative for educators and school communities, aimed at promoting and protecting positive mental health in children and young people. Our vision at Bull Creek Primary School is that our learning community is positive, inclusive and resilient, and where every child, young person, staff member and family can achieve their best possible mental health...

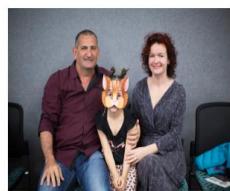
[Read More](#)

### Devonshire's swimmers

## Gallery


[HOME](#) [WHY US?](#) [EVENTS](#) [NEWS](#) [GALLERY](#) [CONTACT US](#) [LOGIN](#) [SIGN UP](#)

### Romashka Picture Gallery



## Admin Dashboard



Welcome Admin



Students Detail	Details of Registered Students						
Teachers Detail	First Name	Last Name	Phone No	Email	Street	State	zip
	nials	handcock	0434865215	nials@gmail.com	31 rode road	QLD	4032
	rajendra	manandhar	0432142146	rajendra@gmail.com	2 grantson Street	QLD	4030
	james	chung	0445625896	james@gmail.com	28 morrya road	QLD	4000
	test3	test	0412345679	test3@test.com	unit19 18 Holmes st toowong	qld	4066
	hgh	ghh	0479120019	preetinarula412@gmail.com	135 Mcclough street	qld	4109
	San	Joseph	0421569815	san@gmail.com	25 brooke stree	qld	4030

## The Database

Containing the word:

Table	Action
admin	
contactUs	
course	
enrollement	
gallery	
login	
message	
Payments	
staff	
user	

## ICT INFRASTRUCTURE

### SERVER AND DOMAIN

<b>Subdomain:</b>	<a href="http://romashka.ictatjcub.com">romashka.ictatjcub.com</a>
<b>FTP host:</b>	<a href="http://ftp.ictatjcub.com">ftp.ictatjcub.com</a>
<b>FTP username:</b>	<a href="mailto:romashka@ictatjcub.com">romashka@ictatjcub.com</a>
<b>FTP password:</b>	123zxcA!
<b>Remote phpMyAdmin:</b>	<a href="http://romashka.ictatjcub.com/phpmyadmin">romashka.ictatjcub.com/phpmyadmin</a>
<b>Database name:</b>	ictatjcu_romashka
<b>Database host:</b>	localhost
<b>Database user:</b>	ictatjcu_romashk
<b>Database password:</b>	123zxc
<b>Moodle:</b>	<a href="http://romashka.ictatjcub.com/moodle">http://romashka.ictatjcub.com/moodle</a>
<b>Moodle database:</b>	ictatjcu_moodle
<b>Moodle database password:</b>	123zxc
<b>Moodle database user:</b>	ictatjcu_moodle
<b>Moodle admin:</b>	Admin
<b>Moodle admin password</b>	123zxc456!
<b>Romashka admin login</b>	admin@gmail.com
<b>Romashka admin password</b>	admin

## CONFIGURATION MANAGEMENT

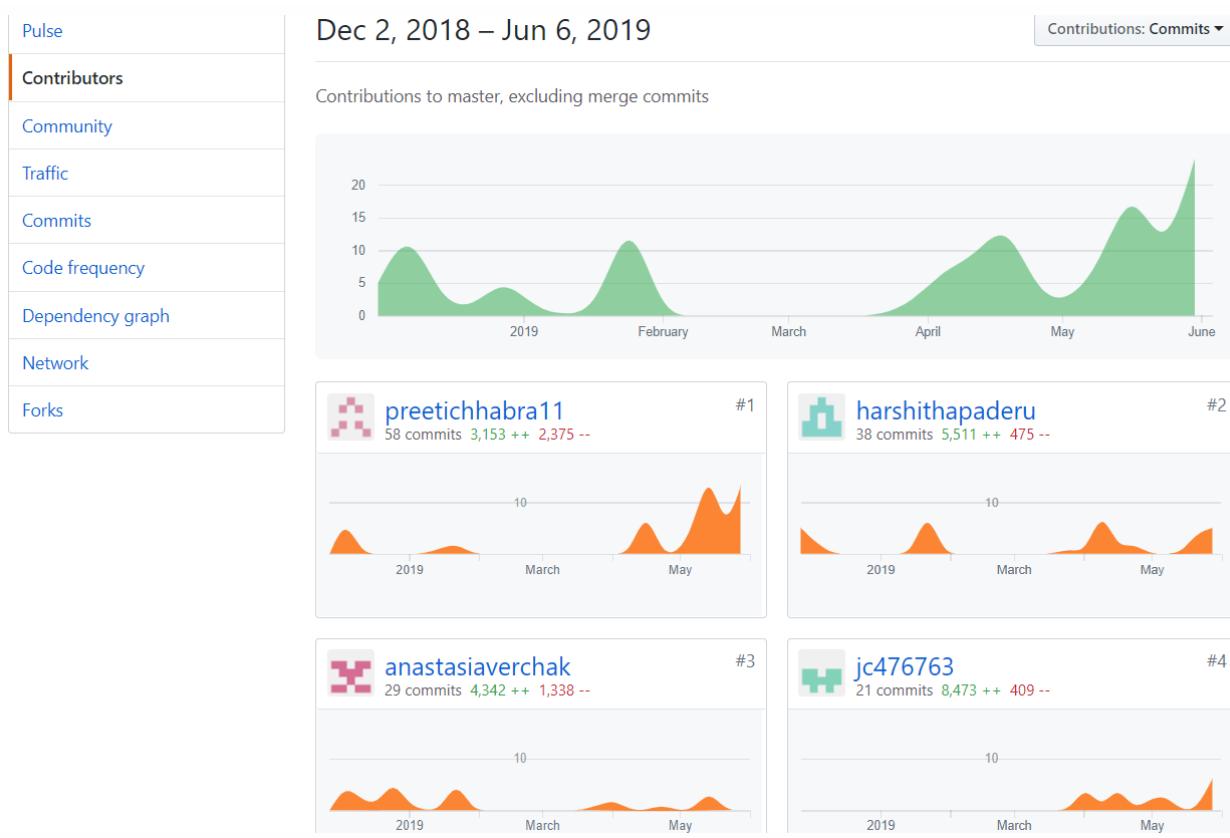
GitHub is an online version control service which stores our work in versioned fashion. We can revert to any version at any point in time. Multiple users can use a repository to store their work.

Link to the repository is as follow:

<https://github.com/harshithapaderu/Romashka>

The screenshot shows the GitHub repository page for 'harshithapaderu / Romashka'. At the top, there are buttons for 'Watch' (0), 'Star' (0), and 'Fork' (0). Below the header, there are tabs for 'Code', 'Issues 0', 'Pull requests 0', 'Projects 0', 'Wiki', 'Security', 'Insights', and 'Settings'. A dropdown menu for 'Branch: master' is open. The main statistics section shows 152 commits, 1 branch, 0 releases, and 4 contributors. Below this, there are buttons for 'New pull request', 'Create new file', 'Upload files', 'Find File', and a green 'Clone or download' button. The commit history table lists the following commits:

Commit	Description	Date
Alpha	Initial commit	a month ago
BETA	Final release	14 days ago
Beta	Final release	14 days ago
Final	bugs	5 hours ago
.DS_Store	Bug fixing	14 days ago
.gitattributes	Initial commit	6 months ago
.gitignore	Registration page	5 months ago



## FRONT-END DEVELOPMENT TOOL

Adobe Dreamweaver is a comprehensive tool developed by Adobe for web designers. We used Dreamweaver for designing our HTML and CSS pages. The integration with Git makes it flawless. It also supports JavaScript, PhP.

## BACK-END DEVELOPMENT TOOL

### **phpMyAdmin:**

PHP is a server-side scripting language that is embedded in HTML. It is integrated with number of popular databases like MySQL, Oracle, PostgreSQL, Informix, etc.

Containing the word:

Table	Action
admin	Browse Structure
contactUs	Browse Structure
course	Browse Structure
enrollement	Browse Structure
gallery	Browse Structure
login	Browse Structure
message	Browse Structure
Payments	Browse Structure

## Moodle Database

Table	Action	Row
mdl_assignment_submissio...		
mdl_assignment_upgrade		
mdl_assignsubmission_file		
mdl_assignsubmission_on...		
mdl_assign_grades		
mdl_assign_overrides		
mdl_assign_plugin_config		
mdl_assign_submission		
mdl_assign_user_flags		
mdl_assign_user_mapping		
mdl_auth_oauth2_linked_l...		
mdl_backup_controllers		
mdl_backup_courses		
mdl_backup_logs		
mdl_badge		
mdl_badge_alignment		
mdl_badge_backpack		
mdl_badge_criteria		
mdl_badge_criteria_met		
mdl_badge_criteria_param		
mdl_badge_endorsement		
mdl_badge_external		
mdl_badge_external_back...		
mdl_badge_external_ident		
mdl_badge_issued		
mdl_badge_manual_award		
mdl_analytics_indicator_c...	Browse Structure	
mdl_analytics_models	Browse Structure	
mdl_analytics_models_log	Browse Structure	
mdl_analytics_predictions	Browse Structure	
mdl_analytics_prediction_actions	Browse Structure	
mdl_analytics_predict_samples	Browse Structure	
mdl_analytics_train_samples	Browse Structure	
mdl_analytics_used_analysables	Browse Structure	
mdl_analytics_used_files	Browse Structure	
mdl_assign	Browse Structure	
mdl_assignfeedback_comments	Browse Structure	
mdl_assignfeedback_editpdf_annotation	Browse Structure	
mdl_assignfeedback_editpdf_comment	Browse Structure	
mdl_assignfeedback_editpdf_queue	Browse Structure	
mdl_assignfeedback_editpdf_quick	Browse Structure	
mdl_assignfeedback_editpdf_rotation	Browse Structure	
mdl_assignfeedback_file	Browse Structure	
mdl_assignment	Browse Structure	

## FRONT-END DEVELOPMENT AND STYLING

### HTML and CSS:

HTML stands for Hypertext Markup Language. It supports tags for various elements of a web page.

CSS is a styling language and works in tandem with HTML to create beautiful pages.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Romashka Russian Language School</title>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
    <script src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"></script>
    <link href="loginstyles.css" rel="stylesheet">
</head>
<body>

<!-- Navigation --&gt;
&lt;nav class="navbar navbar-expand-md navbar-light bg-light sticky-top"&gt;
    &lt;div class="container-fluid"&gt;
        &lt;a class="navbar-brand" href="index.html"&gt;&lt;img src="logo.png"&gt;&lt;/a&gt;
        &lt;button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive"&gt;
            &lt;span class="navbar-toggler-icon"&gt;
                &lt;/span&gt;
        &lt;/button&gt;
        &lt;div class="collapse navbar-collapse" id="navbarResponsive"&gt;
            &lt;ul class="navbar-nav ml-auto"&gt;
                &lt;li class="nav-item active"&gt;
                    &lt;a class="nav-link" href="index.html"&gt;HOME&lt;/a&gt;
                &lt;/li&gt;
                &lt;li class="nav-item"&gt;
                    &lt;a class="nav-link" href="#"&gt;WHY US?&lt;/a&gt;
                &lt;/li&gt;
                &lt;li class="nav-item"&gt;
                    &lt;a class="nav-link" href="#"&gt;CONTACT US&lt;/a&gt;
                &lt;/li&gt;
                &lt;li class="nav-item"&gt;
                    &lt;a class="nav-link" href="#"&gt;BLOG&lt;/a&gt;
                &lt;/li&gt;
                &lt;li class="nav-item"&gt;
                    &lt;a class="nav-link" href="#"&gt;GALLERY&lt;/a&gt;
                &lt;/li&gt;
            &lt;/ul&gt;
        &lt;/div&gt;
    &lt;/div&gt;
&lt;/nav&gt;
</pre>

```

```
x index.html
Source Code bootstrap.min.css jquery.min.js popper.min.js bootstrap.min.js all.js style.css
1 @import url('https://fonts.googleapis.com/css?family=Poppins:400,500,700');
2
3 ▼ html, body{
4     height: 100%;
5     width: 100%;
6     font-family: 'Poppins', sans-serif;
7     color: #222;
8 }
9
10 ▼ .navbar{
11     padding: .8rem;
12 }
13 ▼ .navbar-nav li{
14     padding-right: 20px;
15 }
16 ▼ .nav-link{
17     font-size: 1.1em !important;
18 }
19 ▼ .carousel-inner img{
20     width: 100%;
21     height: 100%;
22 }
23 ▼ .carousel-caption{
24     position: absolute;
25     top: 50%;
26     transform: translateY(-50%);
27 }
28 ▼ .carousel-caption h1{
29     float: bottom;
30     font-size: 200%;
31     text-transform: uppercase;
32     text-shadow: 1px 1px 15px #000;
33 }
34 ▼ .carousel-caption h3{
35     font-size: 400%;
36     font-weight: 500;
37     text-shadow: 1px 1px 10px #000;
38     padding-bottom: 1rem;
39 }
40 ▼ .btn-primary{
41     background-color: #6648b1;
42     border: 1px solid #6648b1;
43 }
```

```
x login.html
Source Code bootstrap.min.css jquery.min.js popper.min.js bootstrap.min.js all.js loginstyles.css
1 .navbar{
2   padding: .8rem;
3 }
4 .navbar-nav li{
5   padding-right: 20px;
6 }
7 .nav-link{
8   font-size: 1.1em !important;
9 }
10 #login-box
11 {
12   position: relative;
13   margin: 5% auto;
14   height: 400px;
15   width: 600px;
16   background: #fff;
17   box-shadow: 0 2px 4px rgba(0, 0, 0, 0.6);
18 }
19
20 .left-box
21 {
22   position: absolute;
23   top: 0;
24   left: 0;
25   box-sizing: border-box;
26   padding: 48px;
27   width: 300px;
28   height: 400px;
29 }
30
31 .h1
32 {
33   margin: 0 0 20px 0;
34   font-weight: 300;
35   font-size: 28px;
36 }
37
38 input[type="text"],
39 input[type="password"]
40 {
41   display: block;
42   box-sizing: border-box;
43   margin-bottom: 20px;
44 }
```

\*\* If a new team member is added in later phases, they have to install Dreamweaver. The previously developed pages can be found on the GitHub Repository. The new team member should understand our progress and be able to learn the programming needed. He/she should be able to understand the user stories and priorities.

## THE DATABASE

phpMyAdmin is an open source toll that provides a Graphical User Interface to work with the MySQL database management system in case of this project. With phpMyAdmin, the admin can create, alter or drop databases and tables, create or remove users and user accounts, manage the privileges granted to a particular user, import and export data in SQL and other formats, etc.

The remote database for this project is located at ‘romashka.ictatjcub.com/phpmyadmin’.

The Username is ‘ictatjcu\_romashk’ and Password is ‘123zxc’. Knowledge of these credentials are sufficient for existing members of the team and any plausible new members who may join the team.

This project contains two databases, a Database named ‘ictatjcu\_romashka’ that is linked to the front end pages.

Another important database ‘ictatjcu\_moodle’ was created. This database was used by the Moodle installer to create many tables used for the working of Moodle.

Steps for set-up of Database:

### Step 1: Login

### Step 2: Create Tables and Insert Data (Since Database is already created)

Tables can be created using SQL or by clicking on the ‘+New’ button on the left hand side.

Similarly, data can be inserted using the Insert tab or by writing an SQL, or my Importing or Exporting from other existing databases, or Excel files.

The Table Columns and data can be seen or edited by selecting the respective table on the side bar. Also, the Primary keys, foreign keys, indexes and relationships can be updated under the ‘Designer’ tab.

	userID	role admin, student, teacher	fname	lname	password	phone	email	street
<input type="checkbox"/>	1	admin	admin	admin	admin	042536053	admin@gmail.com	6 southport
<input type="checkbox"/>	2	student	nials	handcock		0434865215	nials@gmail.com	31 rode road
<input type="checkbox"/>	3	student	rajendra	manandhar		0432142146	rajendra@gmail.com	2 grantson Street
<input type="checkbox"/>	4	student	james	chung		0445625896	james@gmail.com	28 morrya road
<input type="checkbox"/>	6	teacher	Meera	Maharjan		0466235149	meera@gmail.com	31 Cambridge Parade
<input type="checkbox"/>	7	teacher	Jason	Deurelo		042596583	jason@gmail.com	24 Brooke St
<input type="checkbox"/>	11	student	test3	test		0412345679	test3@test.com	unit19 18 Holmes st toow
<input type="checkbox"/>	14	student	hgh	ghh		0479120019	preetinarula412@gmail.com	135 Mcclough street
<input type="checkbox"/>	15	student	San	Joseph		0421569815	san@gmail.com	25 brooke stree

### Step 3: Creating a connection with the database.

A config.php file contains the php code to enables connection with the database, is included in the <?php> .. ?> section of all the .php files created in the front end of the project.

```

config - Notepad
File Edit Format View Help
<?php
//define constants for connection info
define("MYSQLUSER","ictatjcu_romashk");
define("MYSQLPASS","123zxc");
define("HOSTNAME","localhost");
define("MySQLDB","ictatjcu_romashka");

//make connection to database
function db_connect()
{
    $conn = @new mysqli(HOSTNAME, MYSQLUSER, MYSQLPASS, MySQLDB);
    if($conn -> connect_error) {
        die('Connect Error: ' . $conn -> connect_error);
    }
    return $conn;
}
?>
```

Once the connection is established, suitable php code is inserted in the dynamic pages of the site to for validation and other functionality.

## THE HOSTING TOOL

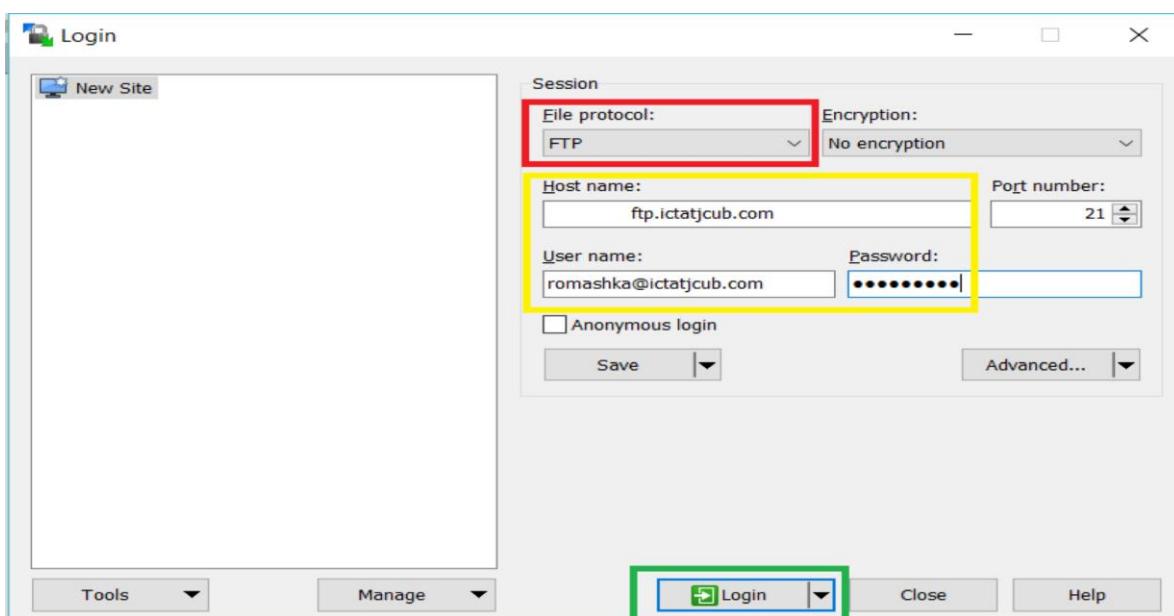
The hosting tool chosen for this project is ‘WinSCP’. It is an open source FTP client, SFTP client, SCP client, etc. for Windows OS. Its main functionality is to establish a connection with the hosting space and perform File Transfer between a local and a remote computer, which then can we used to host onto a platform.

It provides a GUI and is integrated with Windows to provide basic operations with files and drag & drop facilities. For this project, its support with FTP protocols is utilised. It is faster compared to other hosting environments.

How to set-up WinSCP:

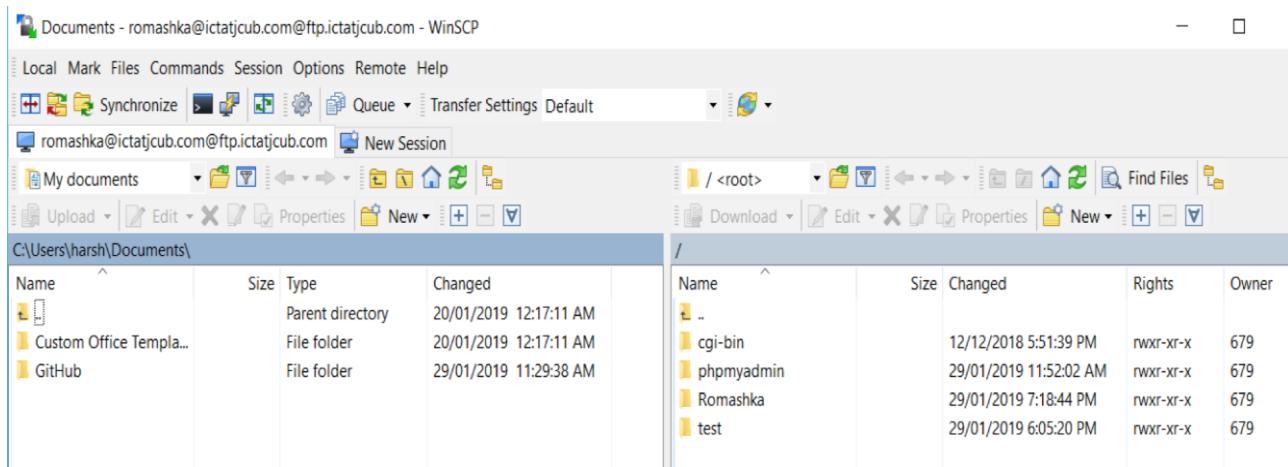
**Step 1:** On launching WinSCP after installation, it prompts us to login.

We use the hostname, host username and host password as the credentials to login, but before that, the File Protocol must be set to FTP.



When the dialogue box (below) opens up, it means the connection has been established with the hosting space, and if successful the session has started.

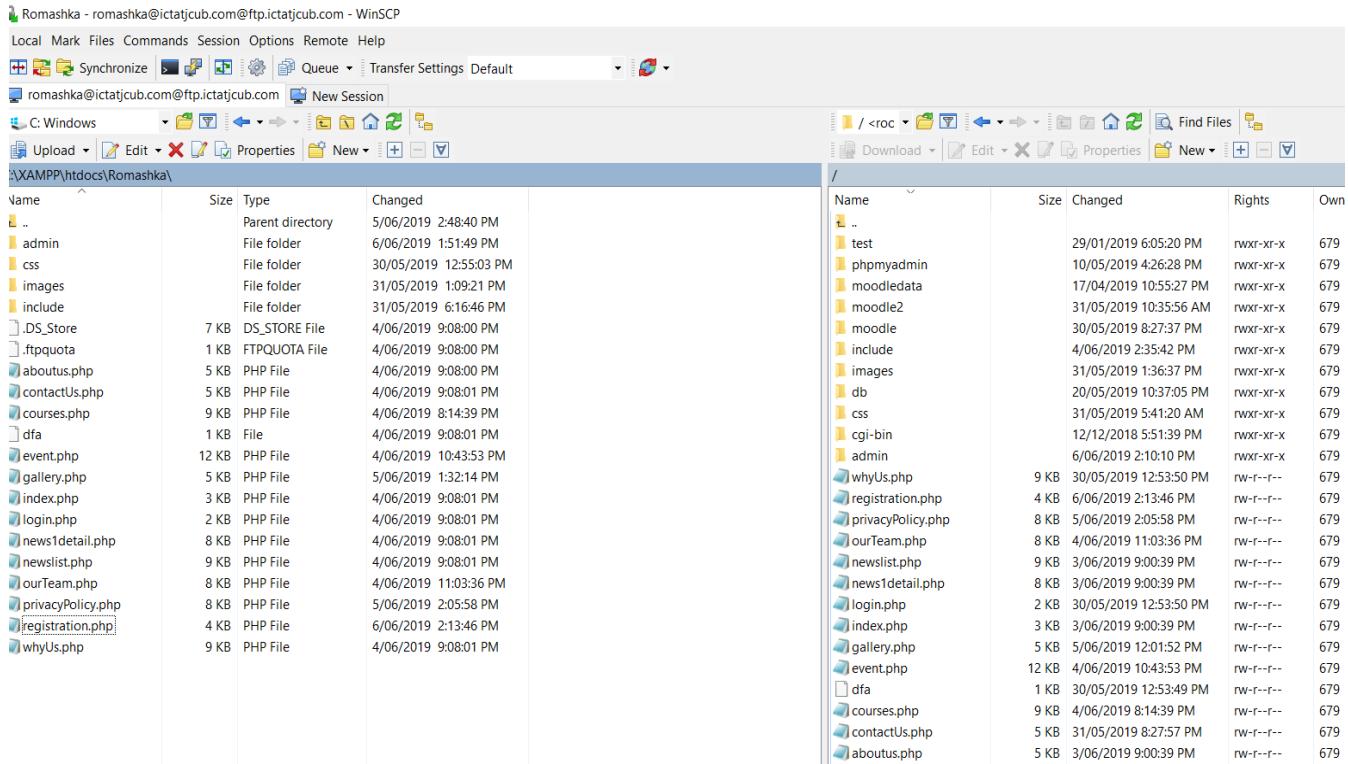
On the left-hand side are the files of the local computer and on the right-hand side are the files



on the remote computer.

## Step 2: Perform File Transfer

The files of the website are all placed in a folder name ‘Romashka’. We can simply drag these files from the left hand side of the screen (local PC) and drop them into the right-hand side, the remote computer.



## Step 3: Ready for the Client to test

The files or the website is now on the remote server and can be tested by the client. The URL for the client to go to the website is: <http://romashka.ictatjcub.com>, because the hosting

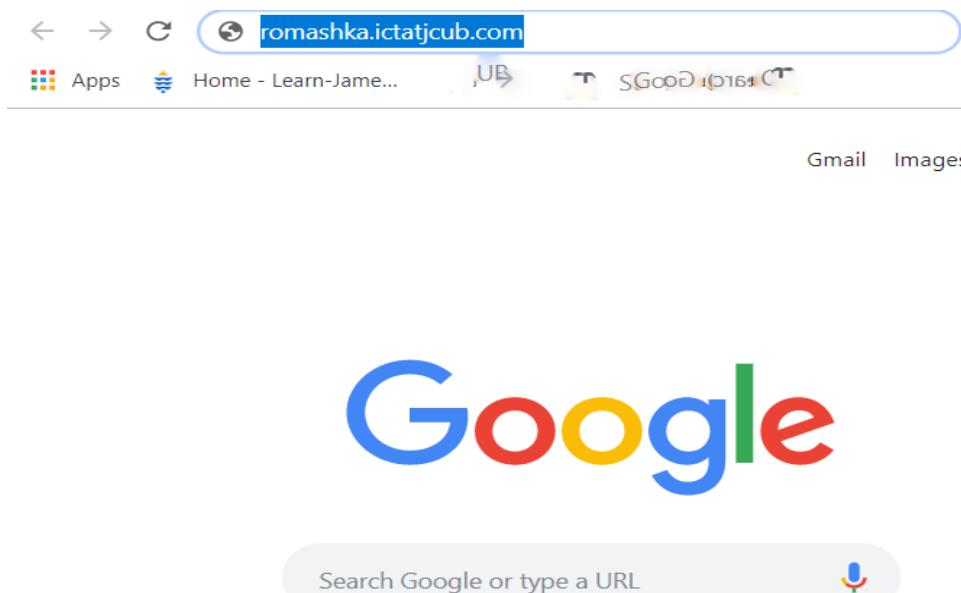
environment is configured to look for index files from the folder by default and run them automatically.

## THE RELEASE ENVIRONMENT

The Release Environment used to host this project is the Google Chrome Browser developed by Google Inc.. Chrome serves as a platform to serve or host web applications and web pages.

Steps to host are as follows-

### Step 1: Open the browser and enter URL



### Step 2: Once the Landing page or the Homepage is displayed, use the links to navigate through the website.

A screenshot of the Romashka Russian Language School homepage. The header features the school's logo, "Romashka", and the text "russian language school". The main navigation menu includes links for "HOME", "WHY US?", "EVENTS", "NEWS", "GALLERY", "CONTACT US", "LOGIN", and "SIGN UP". Below the menu, a large banner image shows two children working on a laptop. The banner text reads "WELCOME TO THE RUSSIAN LANGUAGE SCHOOL ROMASHKA" and includes a "LEARN MORE" button. At the bottom of the page, there are sections for "OUR SPONSORS" (with logos for GCA Tennis and Tennis SA) and "GET IN TOUCH" (with contact information: Phone: 046 892 6494, Email: [redacted]).

## EXTERNAL FRAMEWORKS USED

### Moodle

Moodle is a Learning Management System, designed for instructors, administrators and students to create their own personalised learning environments.

The advantage of Moodle is that it is an open source software available under the GNU Public License and can be simply installed onto the web server. It is developed in Linux using Apache, MySQL and PHP.

The hardware requirements for Moodle are:

Disk Space- 200MB for the code and minimum of 5GB to store content.

Processor- 2GHz dual core is recommended.

Memory- 1GB or more is recommended.

After thorough research, it was decided that Moodle is the best suited LMS for this project because of a number of benefits it has.

In Moodle, a Dashboard is available for students to check daily notifications when course contents are added, the information about enrolled subjects and the instructors of the respective courses.

This feature is the most desired feature for the project ‘Romashka’- as it distinguishes it from other Language school websites.

The screenshot shows the Moodle dashboard for the site 'Romashka'. The left sidebar includes links for Dashboard, Site home, Calendar, Private files, My courses, and Site administration. The main area displays 'Recently accessed courses' with three cards: 'Classical education Russian Literature' (with a picture of St. Basil's Cathedral), 'Classical education Russian Math' (with a picture of a hot air balloon), and 'Classical education Russian Language' (with a picture of the Russian alphabet). Below this is the 'Course overview' section, which lists three courses: 'Classical education Russian Language' (red background), 'Classical education Russian Literature' (yellow background), and 'Classical education Russian Math' (blue background). To the right, there are sections for 'Timeline' (showing no upcoming activities), 'Private files' (listing '123.pdf' and 'AJ3B3642.jpg'), 'Online users' (1 online user, Anastasia Verchak), 'Latest badges' (no badges displayed), and a 'Calendar' for June 2019.

The following figure shows Moodle's Student View:

Romashka Moodle

Available courses

- [Art and craft](#)
- [Mathematic](#)

Teacher: Harshitha Paderu      Math for children
- [Russian language](#)

Teacher: Preeti Kaur      Russian language for children

## Mathematic

Dashboard / My courses / Math

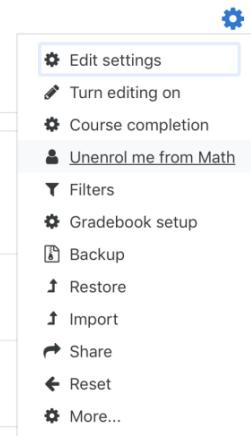


Topic 1

Topic 2

Topic 3

Topic 4



An interesting feature provided by Moodle is that students can search within their courses the discussions had with peers or teachers. Any virtual classroom sessions conducted are recorded and the chat histories are available for students to review them whenever the need be.

Moodle allows random and automatic allocation of students into groups. The groups can be edited only by the teachers.

Moodle provides an extra feature called the Moodle Community Hub where students or instructors can access a location to share ideas or resources with peers, they can join in with communities hosted by other websites and yet is secure and can be set to be controlled only by the admin.

The assignments are submitted in a similar fashion but in Moodle, the assignments are saved as drafts if the student missed to click the submit button and closes the window.

## EventBrite

Eventbrite is a global platform for live experiences that allows anyone to create, share, find and attend events. EventBrite enables Built in payment processing and analytics for event creators.

Since, Romashka hosts many events from time to time and integrating a ticket buying system into the website was quite complicated at the final stage. EventBrite is used by the admin to create events and publish them. Students or page visitors can simply register for the event by clicking the ‘Buy Ticket’ button on the Events Page of the website.

**Basic Info**

Name your event and tell event-goers why they should come. Add details that highlight what makes it unique.

Event Title \* Be clear and descriptive.

Type Category

Organizer Gold Coast Russian Language School "Romashka"

**Location**

Help people in the area discover your event and let attendees know where to show up.

Venue Search for a venue or address.

**Date and time**

Tell event-goers when your event starts and ends so they can make plans to attend.

Event Starts * 07/16/2019	Start Time 7:00 PM
Event Ends * 07/16/2019	End Time 10:00 PM

Time Zone  Need to schedule a recurring event?

**Manage Events**

Search for events and attendees

Live 2 Draft 0 Past 7

- Масленица в школе Ромашка Mar 10, 2019 12:30 PM 53 / 200
- Новогодний утренник в Ромашке Dec 2, 2018 12:30 PM 86 / 200
- Оздоровительная сессия в Женском клубе Aug 4, 2018 10:00 AM 2 / 100
- Женский клуб "Виктория" May 26, 2018 6:00 PM 10 / 100
- Pancake festival Feb 10, 2018 11:30 AM 0 / 350
- Gold Coast Christmas Carnival Party Dec 23, 2017 6:00 PM 3 / 400
- Детский утренник Dec 10, 2017 9:30 AM 22 / 100

Can't find your event?



**PTGs Back to School Picnic**  
by Gold Coast Russian Language School "Romashka"

Free

↑ ❤️

**Register**

The PTG's Back to School Picnic is a great way for new and returning families, staff, and alumni to start off the school year.

**About this Event**

The PTG's Back to School Picnic is a great way for new and returning families, staff, and alumni to start off the school year. Food, fun and games for all. A wonderful time to meet the teachers, welcome new families, and see old friends! In the winter trimester, our attention turns to The All School Production, an extravaganza of singing, dancing.

Date And Time  
Sun, July 14, 2019  
10:00 AM – 5:00 PM AEST  
[Add to Calendar](#)

## FoxyCart

To learn the algorithm for accepting payments through the site using a payment gateway, we turn to FoxyCart service. The payment gateway allows you to accept payments by Visa, MasterCard, amazon pay, also with the help of PayPal. At it's most basic, FoxyCart is as easy as adding a link or a form to the existing site. Beautiful, responsive templates get up and running quickly, and it's easy to add coupons, taxes, shipping, and more.

FoxyCart is built by developers, for developers, to integrate into own sites, systems, frameworks, and CMSs. Get a flexible cart and hosted payment page, exactly where and how client want it.

FoxyCart supports both one-off and recurring billing for physical products, downloadable, donations, intangible and virtual, goods, and fully customizable products. Mix and match as needed and without limitations.

FoxyCart accepts all kinds of payment- Credit and debit cards, PayPal, Amazon Payments, bitcoin, and many, many more for both domestic and international customers. (FoxyCart, n.d.)

In order to accept credit card payments online, a merchant typically needs all of the following:

- **A website.**
- **An ecommerce platform.** FoxyCart is an obvious example. Nearly all ecommerce systems have an integrated CMS. FoxyCart is different in that regard.
- **The payment gateway.** The ecommerce system's checkout page receives payment information (ie. the credit card number) from the customer, and sends that info to the payment gateway in order to authorize transactions. The gateway responds indicating

success or failure (and the corresponding error code). Most gateways have a monthly fee as well as a small (~\$0.05 USD) per transaction fee. Gateways typically send transactions to your merchant account to capture once a day as a “batch”. Common gateways are Authorize.net, Stripe, Braintree, and Chase Paymentech.

- **The merchant account.** The merchant account actually collects (“captures”) the money from the transactions that the gateway processes. This is where you get docked the 2-4% transaction fee for processing credit cards, as well as fees for the transaction and occasionally other fees. Once a day your merchant account deposits all its money into your bank account in a “batch”. Depending on your merchant account provider, your fees may be taken out when payment is batched (daily), or the fees may be taken out all at once, once a month. (Some gateways are provided by the merchant account provider, like SecureNet, Stripe, Braintree, PayPal Payments Pro, etc.)
- **The bank account.**
- **Accounting, inventory, marketing, and etc.** There are countless systems to help client manage business. Most don't actually involve themselves in the actual transaction process, so they don't matter to this discussion. (FoxyCart, Gateways, Merchant Accounts, Bank Accounts, Oh My!, n.d.)

To start work, registration in the FoxyCart system is required. On the official website, the customer has to set-up their store, the payment gateway, cart, checkout functions, email and web receipts. As FoxyCart provides various templates for all these components, setting up a store is made very easy.

The screenshot shows the FoxyCart admin interface. At the top, there's a dark header bar with the FoxyCart logo on the left and links for Documentation, Forum, Support, Romashka, and Log Out on the right. Below the header is a navigation menu with six main categories: STORE, ACCOUNT, STORE, PRODUCT, TEMPLATES, and REPORTS. Each category has a list of sub-links. The 'STORE' category is expanded, showing options like dashboard, add store, users, integrations, edit profile, and billing. The 'REPORTS' category is also expanded, showing transactions, error log, and change log. The main content area is titled 'update store'. It contains a 'STORE DETAILS' form with fields for store name (Romashka), store url (http://romashka.ictatjcub.com/courses.php), receipt continue url (http://romashka.ictatjcub.com/courses.php), logo url (http://romashka.ictatjcub.com/images/footer\_logo.png), use custom ssl (checkbox), store sub domain (payforcourse.foxycart.com), multiple ship-to addresses (checkbox), store version (2.0 dropdown), store email(s) (info@schoolromashka.com), and from email (info@schoolromashka.com). A sidebar on the left is titled 'Store Settings' and includes a 'Related Documentation' section with links to Changelogs and Upgrade Notes, Sugar, Spice, and Custom Subdomains, and Multi-Ship: Multiple Shipping Addresses on a One-Page Checkout.

The Next step is to add code, which were provided by FoxyCart to the appropriate webpage right before the closing </body> tag.

```
<!-- FOXYCART -->
<script data-cfasync="false" src="https://cdn.foycart.com/romashka/loader.js" async defer></script>
<!-- /FOXYCART -->
```

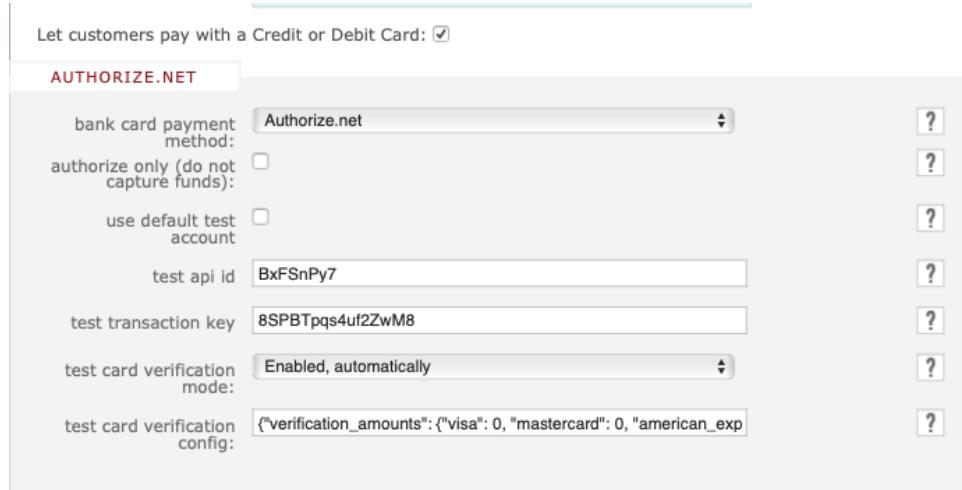
Then create cart add links and forms by using the code bellow:

```
<!-- link example -->
<a href="https://romashka.foycart.com/cart?name=Cool%20Example&price=10&color=red&code=sku123">Trimester</a>

<!-- form example -->
<form action="https://romashka.foycart.com/cart" method="post" accept-charset="utf-8">
<input type="hidden" name="name" value="Trimester payment" />
<input type="hidden" name="price" value="720" />
<input type="hidden" name="code" value="sku123" />
<label class="label_left">Size</label>
<select name="size">
<option value="small">Small</option>
<option value="medium">Medium</option>
<option value="large">Large</option>
</select>
<input type="submit" value="Trimester payment" class="submit" />
</form>
```

When this part is done, more settings are required inside of the account. The system allows to use two type of servers for our purposes: Live servers and Test servers.

Live servers need: Customer has to have a full version of FoxyCart subscription and Agreement with CommonWealth Bank.



Some other important and bonus features of FoxyCart enables the admin to check successful transactions and the error log (unsuccessful transactions) on the admin dashboard.

The transactions can be downloaded in a .csv format and imported into the database of this project as a backup.

Dashboard	settings advanced shipping payment payment sets taxes sample code	categories downloadables subscriptions coupons	language cart include cart checkout web receipt email receipt configuration template sets	transactions error log change log  image cache	STORE settings advanced shipping payment payment sets taxes sample code	PRODUCT categories downloadables subscriptions coupons	TEMPLATES language cart include cart checkout web receipt email receipt configuration template sets	REPORTS transactions error log change log  image cache
-----------	---	---	--	--	--	--	---	---

1 total transactions (0 live, 1 test)

Displaying 1 transactions using the filter set below

Previously Hidden Errors

search and filter

add filter: Select a filter...

[ - ] datafeed status: Both

[ - ] transaction date: 2007-01-01 to 2019-06-06

[ - ] transaction display status: Visible

[ - ] transaction type: Test

entries per page: 50

**Filter**

Export Transactions

Show Transaction Details

Hide	Date	ID	Items	Cost	Cust
<input checked="" type="checkbox"/> [ + ]	Tue 04 Jun 2019 15:09:08	1588469966 (view)	Russian Mathematics	\$15.00	Harsh P (email)

Customer	Transaction	Date
	1588433927	2019-06-04 14:05

Error: Errors:  
usage: Error: Your payment was declined for the following reason: Unspecified Failure (1)

POST: fcid=070gi1r6261jfj7mf0gh7la5 ThisAction=checkout customer\_id=0 is\_anonymous=1  
anonymous\_checkout\_selected=email\_is\_found=0  
customer\_email=rajeevkumarreddy5@gmail.com billing\_first\_name=rajeev  
billing\_last\_name=reddy billing\_phone=billing\_tax\_id=billing\_address1=19 18 holmes st  
billing\_address2=billing\_postal\_code=4066 billing\_city=Toowong DC billing\_region=QLD  
billing\_country=AU fc\_payment\_method=plastic\_new\_cc\_exp\_month=07 cc\_exp\_year=20  
recaptcha\_response=03AOLTBLStfG\_c\_Fo8VqqmBt090sr8p\_JX5y5TpA2mVTGj7XP0E1lyo\_8Zjt0SBGccK3qpW65xty5RrUG8ghG90A6lygv8lfJF4VNrWppIZ7nqlP45gPF-filia2s15k3Nn61R1BjxFRm7ysvHNFYKbaVzQKWENERok4T4b9RBxdt9zTHffxy2KJX18N  
nHQzU8QT0m95zsner7Y3PQKN44x\_4FGyvAvOdIIWC3z-TyUQepnR9vG7cVB74GFKoFICvEqtCuaW5zOVCBG20c5EDOsTYIEf5n2naoQAAd1p34v49cbfV7cR60FzGhoWEYJ13PdP0K2w

URL: https://payforcourse.foxcart.com/checkout  
Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)  
Chrome/74.0.3729.157 Safari/537.36  
Referrer: https://payforcourse.foxcart.com/checkout  
IP: 120.22.172.231, Australia

Below are some illustrations of how the cart and payment gateway look like on the website:

Your Cart 1 item in your order

Your cart contains products which will expire in 15 minutes.

Item	Quantity	Total
Russian Science Code: Rom_Sci Remove this item	1	\$15.00

< Continue Shopping | Empty C



### Order Summary

Order Total: \$15

**Proceed to Checkout**

—or—



Your cart contains products which will expire in 14.7 minutes.

### 1 Your Email

### 2 Your Billing Address

Name	<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>
	<input type="text" value="Company (optional)"/>	<input type="text" value="Phone (optional)"/>
Address	<input type="text" value="Address 1"/>	<input type="text" value="Address 2 (optional)"/>
	<input type="text" value="Postcode"/>	<input type="button" value="Go!"/>
<a href="#">Australia</a>		

### 3 Payment Method

🔒

Expiration

Month ▾

Year ▾

CSC

Pay with PayPal, or by credit card

### 4 Almost Done!

Save my address & payment info for next time.

Enter a password below. On your next visit you can use this password to retrieve your account information.



Your Cart  
1 item in your order

[Continue Shopping](#)
[Empty Cart](#)

	<b>Russian Science</b> Code: Rom_Sci <a href="#">Remove this item</a>	<b>\$15.00</b> 1
--	---	---------------------

**Order Summary**

Order Total:	<b>\$15.00</b>
--------------	----------------

# PROJECT MANAGEMENT TOOLS

Project management - it is the process of achieving a particular goal within a given framework (time, budget, etc.). At the same time, the concept of PM also includes a set of tools, techniques, skills and techniques that are used to achieve the goal and can vary depending on the changing conditions in which the work is carried out (the appearance of both risks and opportunities).

## Trello

Trello is a web-based collaboration service that can help organise and manage projects using cards. The main advantage of Trello can be called viewing several simultaneously running projects and their status at the moment. To work with a group of developers or other artists working on projects with deadlines or goals, this system can give an idea of the progress of projects.

In Trello, the emphasis is on packs of cards. Each pack shows the status of any project. For example, if select a team to work, then in the first column there will be cards with a things which

Open	In progress	Done
Plan buget	Registration front end	Home page
Closeout	Project management plan	Login
Training	Project initiation document	Gathering requirements
Project RAID log	Develop Project chapter	WBS
Gallery prototype	Register an account at Moodle	ER diagram
Events prototype		Plan schedule
Blog prototype		
Contact us prototype		
Parent table creation		

has to be done, in the second - tasks in progress, in the third there may be ready tasks, in the fourth - meetings and other general things.

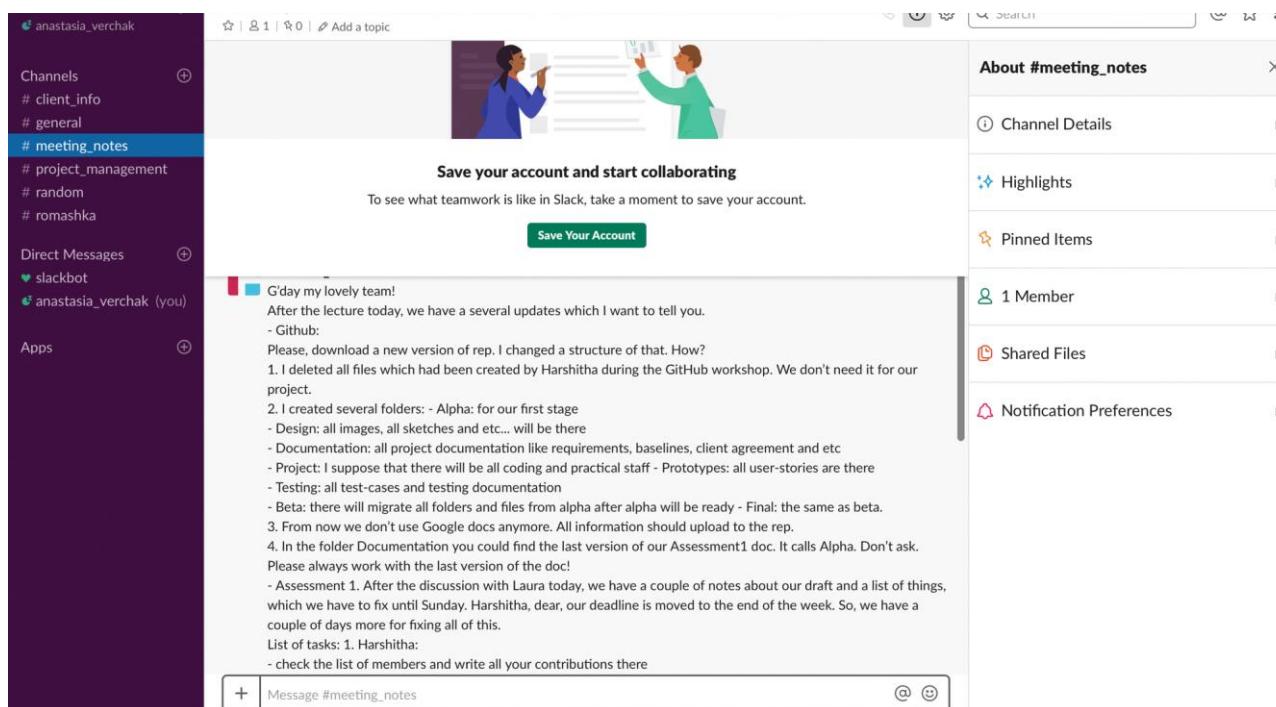
Cards have many features. They are intended for discussions, polls, download files and data. It is possible to set deadlines, assign text and color labels. To assign an executer to any task, it is necessary to select it in the card from the list of work team or simply drag the executer's avatar to the task on the right.

It is important to note that all team members see changes in real time and can monitor the status of individual executers — online or offline.

Trello is available both in the web interface and as an application for the iPhone. On the iPad, the service works similarly to a desktop implementation.

## Slack

Slack is an online service for correspondence within the team and a large company, but in fact it is a replacement for Skype for such conversations. This service has the ability to closely integrate active dialogs with other applications. This principle allows you to monitor the progress of work on various projects using one interface and remove unnecessary information.



## GanttPro

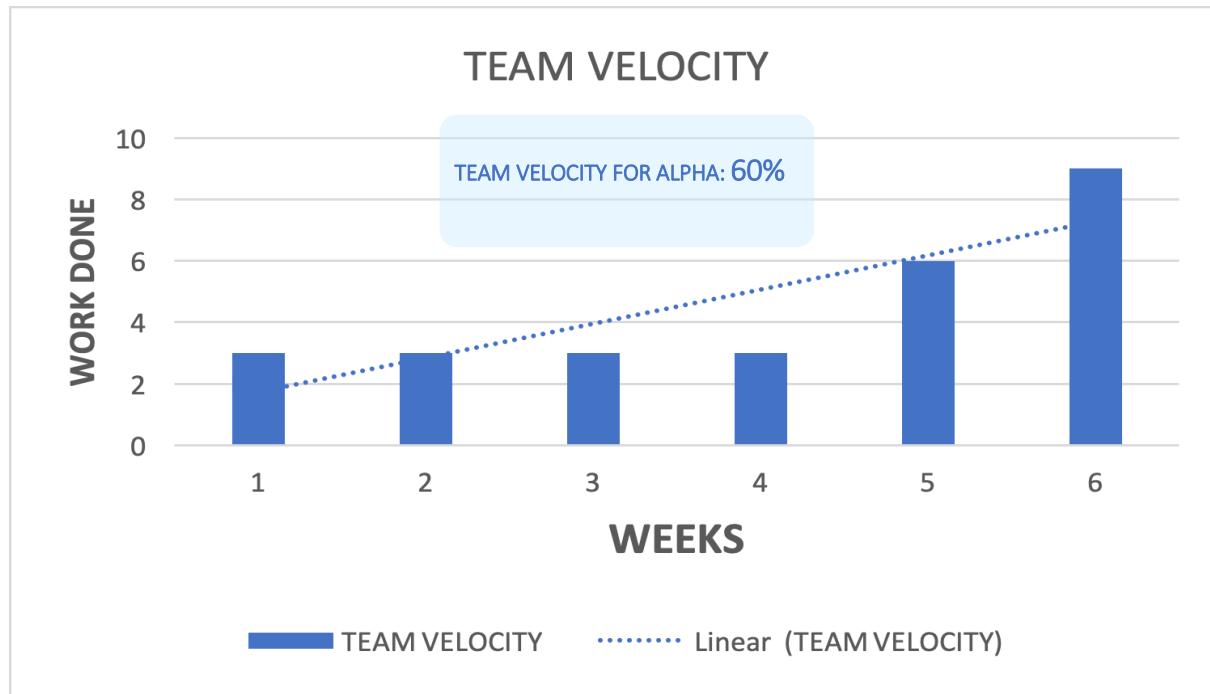
GanttPro - Gantt chart that allows project manager to plan and manage projects online, visualise processes, create tasks and assign them to participants, set deadlines and percentage of individual tasks and the project as a whole, add milestones and share the created Gantt schedule with the team and with clients with the right to view or edit.

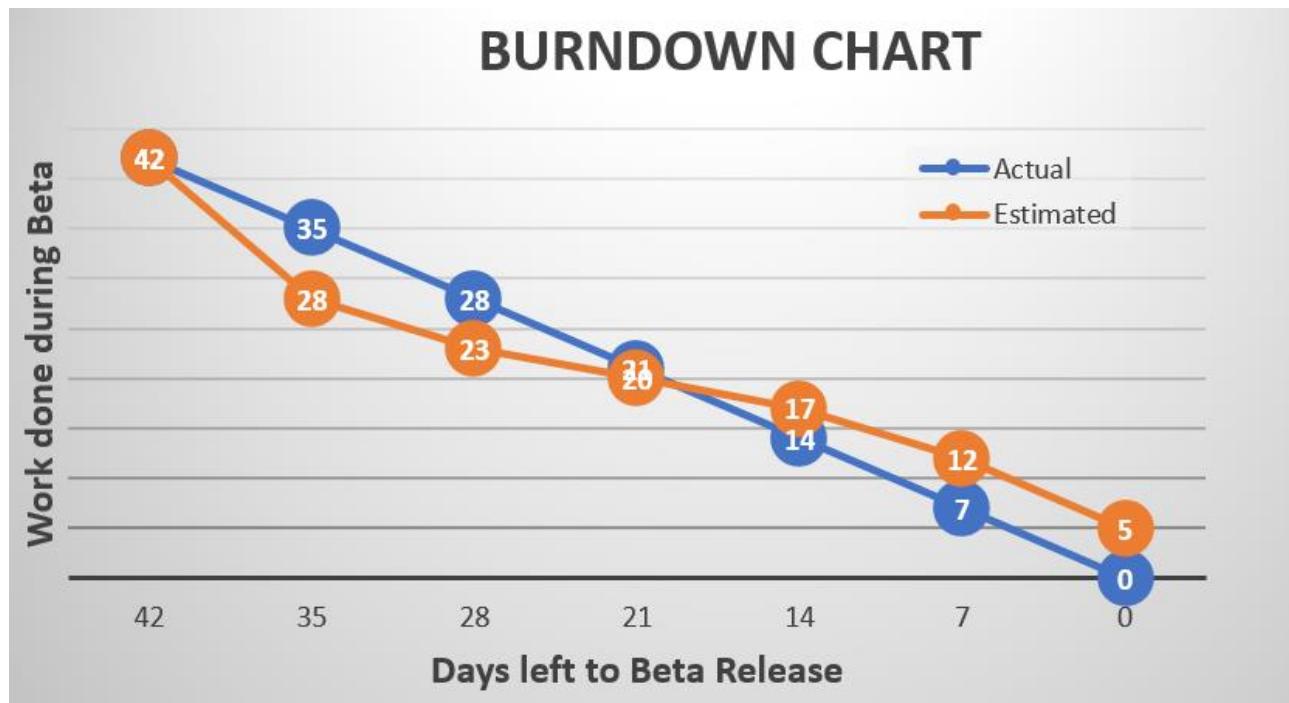
## BURNDOWN CHART AND VELOCITY CHARTS

### THE BURNDOWN CHART:

The Burndown chart was used to track the progress of the project that now stands complete. This chart represents the progress for the Final Release of this project and the analysis will also help in understand the progress of the overall project, over all three iterations Alpha, Beta and Final.

#### ALPHA



**BETA****VELOCITY CHART**

## FINAL BURNDOWN CHART

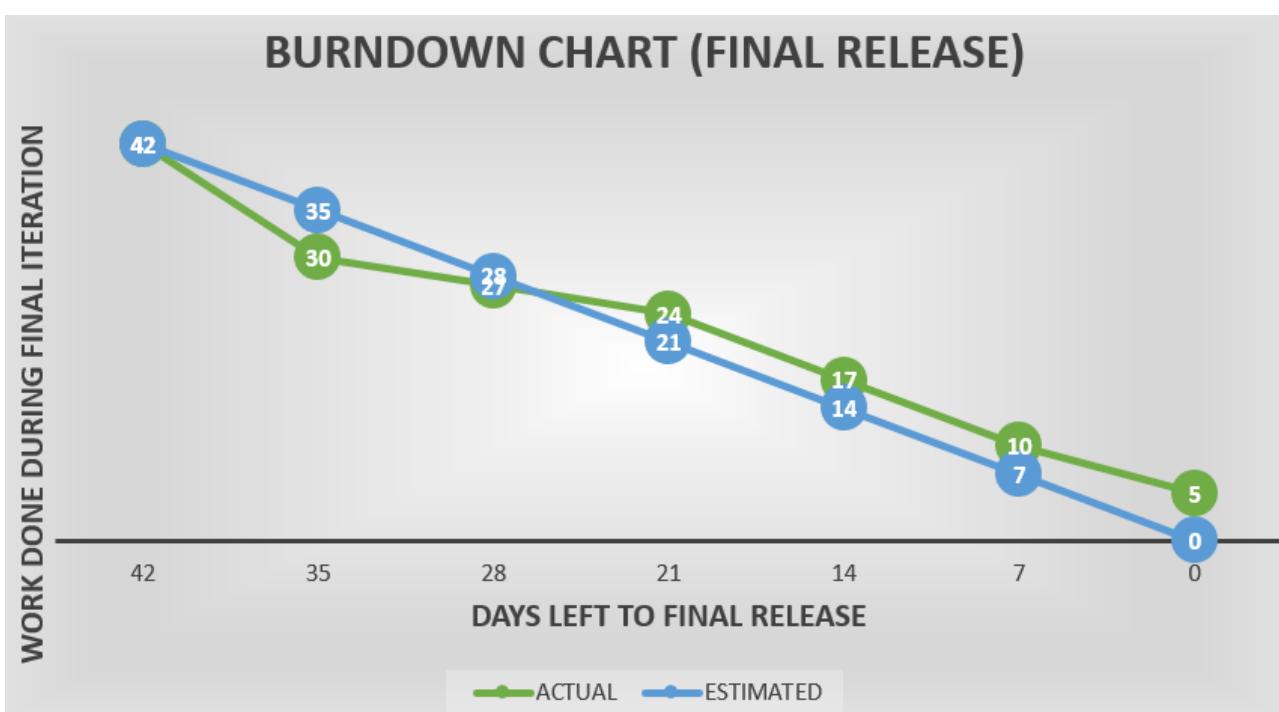
In this chart, on the X-Axis are the Number of Days that were allocated to all the User Stories that were planned for the Final Release, which was 42. And on the Y-Axis are typically the User Stories (or the work that had to be done) to get to the completion of the project.

The User Stories that were to be completed (includes fixing the bugs from Beta) and the days allocated in Beta are shown in the table below:

Final User Stories	Days Allocated	Status
Bug Fixing from Beta	5	COMPLETED
Events Page	1	COMPLETED
News(Visitor)	3	COMPLETED
Confirmation page	5	COMPLETED
Payment page	5	COMPLETED
Gallery (admin)	1	COMPLETED
Gallery (visitor)	1	COMPLETED
Admin Dashboard	5	COMPLETED
News(Admin)	3	NOT COMPLETED
Why us page (Admin)	5	NOT COMPLETED

All the User Stories that were to be completed during the Final Iteration could not be successfully developed. A new user story ‘Admin Dashboard’ was added and had to be completed with a higher priority. As a result of this, the completion of the Final release took longer than expected.

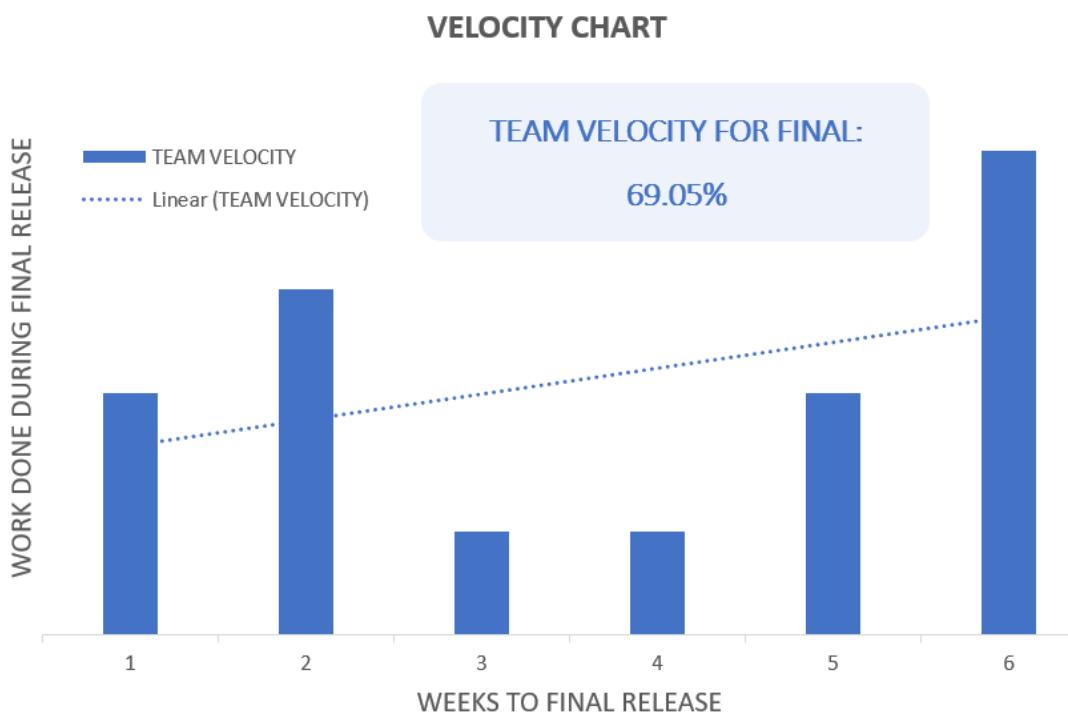
This lag is represented by the green line (Actual) in the Burndown Chart.



### FINAL VELOCITY CHART

The Velocity Chart was a means by which the teams' velocity or pace during the Final Release was measured in order to track progress.

Final Release took six weeks for completion and is represented on the X-Axis. The achievement of work is shown on the Y-Axis.



The pace of the team is found to be inconsistent during this iteration. Although, in the last week, the pace is seen to increase in order to meet the client testing deadline.

In the Final iteration, there were 10 User Stories, to be Completed over a total time span of 42 days. But, only tasks that were to be completed within 29 days could be delivered promptly.

The Formula for calculating the velocity of the team is:

$$\text{Velocity} = \frac{\text{Actual Days of Work}}{\text{Estimated Days of Work}} \times 100$$

Therefore the velocity of this team is  $(29/42) \times 100 = 69.05\%$

**The Average Team Velocity over all iterations(ALPHA, BETA AND FINAL) is found to be 72.38%**

## CLIENT TESTING

The entire project has been fully tested by the client according to provided test cases below. All tested were positive, no problems have been found.

### ICT ADVANCED PROJECT CLIENT TESTING ACCEPTANCE FORM

Project name:	Romashka school website
This Document is issued by:	Anastasia Verchak
Client:	Victor Ovchinnikov
Release	Final
Date:	05/06/2019

Test case	Status	Comments
RLSR_001	Pass	N/A
RLSR_002	Pass	N/A
RLSR_003	Pass	N/A
RLSR_004	Pass	N/A
RLSR_005	Pass	N/A
RLSR_006	Pass	N/A
RLSR_007	Pass	N/A
RLSR_0010	Pass	N/A
RLSR_0011	Pass	N/A

Project manager

Anastasia Verchak

Signature

Client

Victor Ovchinnikov

Signature




Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_001	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> School login screen	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the Login Functionality in the School	Test Execution date: 04/06/2019
<b>Description:</b> Verify login with valid username and password	

<b>Pre-conditions:</b> User has valid username and password
Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	
2	Click to the button Login		Login page was open	Login page was open	Pass	
3	Provide valid credentials	Login: Admin Password: 123zxC456!	Credential can be entered	Credential can be entered	Pass	
4	Click on Login button		User logged	User logged	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_002	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Why us: About us	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Why us: About us page	Test Execution date: 04/06/2019
<b>Description:</b> Verify login with valid username and password	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Why us: About Us		About Us was open, there are no types, alignment is correct	About Us was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	

Project Name: Russian Language School Romashka

### Test Case

Test Case ID: RLSR_003	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Why us: Our team	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Why us: Our team page	Test Execution date: 04/06/2019
<b>Description:</b> Why us: Our team page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	
2	Click to the button Why us: Our team		Our Team was open, there are no types, alignment is correct	Our Team was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	

Project Name: Russian Language School Romashka

### Test Case

Test Case ID: RLSR_003	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Why us: Our team	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Why us: Our team page	Test Execution date: 04/06/2019
<b>Description:</b> Why us: Our team page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	
2	Click to the button Why us: Our team		Our Team was open, there are no types, alignment is correct	Our Team was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	

Project Name: Russian Language School Romashka

### Test Case

Test Case ID: RLSR_004	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Why us: Courses	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Why us: Courses	Test Execution date: 04/06/2019
<b>Description:</b> Why us: Courses page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	
2	Click to the button Why us: Courses		Courses was open, there are no types, alignment is correct	Courses was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Click to the button Pay now for Russian Math		Your cart was open	Your cart was open	Pass	

5	Click to the button Continue Shopping		Courses was open, there are no types, alignment is correct	Courses was open, there are no types, alignment is correct	Pass	
6	Click to the button Shopping cart		Your cart menu was appear on the right part of the screen and Russian Math is there	Your cart menu was appear on the right part of the screen and Russian Math is there	Pass	
7	Click to the button Pay now for Russian Science		Your cart was open. Two subjects (Russian Math and Russian Science) are inside and Order summary is \$30	Cart was open. Two subjects (Russian Math and Russian Science) are inside and Order summary is \$30	Pass	
8	Click to the button Proceed to checkout		Your details are open	Your details are open	Pass	
9	Fill the form		Form was filled	Form was filled	Pass	
10	Click to the button Submit your order		Payment was successful, confirmation email was received	Payment was successful, confirmation email was received	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_005	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Events	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Event page	Test Execution date: 04/06/2019
<b>Description:</b> Event page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Event		Event was open, there are no types, alignment is correct	Event was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Click to the button Buy Ticket		EventBrite website was open	EventBrite website was open	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_006	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Events	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of News page	Test Execution date: 04/06/2019
<b>Description:</b> News page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php"><u>http://romashka.ictatjcub.com/index.php</u></a>	Website was open	Website was open	Pass	
2	Click to the button News		News was open, there are no types, alignment is correct	News was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Click to the button Read more		News detail was open, alignment is correct	News detail was open, alignment is correct	Pass	

Project Name: Russian Language School Romashka

### Test Case

Test Case ID: RLSR_007	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Contact us	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of Contact Us page	Test Execution date: 04/06/2019
<b>Description:</b> Contact us page is open and correct	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	
2	Click to the button Contact us		Contact us was open, there are no types, alignment is correct	Contact us was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Check the address		Address is 6 Lawson St, Southport	Address is 6 Lawson St, Southport	Pass	

5	Fill the form		Form was filled	Form was filled	Pass	
6	Click on the button Send Message		Message was sent	Message was sent	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_008	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> User Registration	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of User Registration page	Test Execution date: 04/06/2019
<b>Description:</b> User Registration page is open and correct	

<b>Pre-conditions:</b> Browsers: Safari, Google Chrome
Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Sign Up		Sign Up was open, there are no types, alignment is correct	Sign Up was open, there are no types, alignment is correct	Pass	

3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Fill the form		Form was filled	Form was filled	Pass	
6	Click on the button Sign Up		User was successfully registered	User was successfully registered	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_008	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> User Registration	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Test the functionality of User Registration page	Test Execution date: 04/06/2019
<b>Description:</b> User Registration page is open and correct	

<b>Pre-conditions:</b> Browsers: Safari, Google Chrome
Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<u>http://romashka.ictatjcub.com/index.php</u>	Website was open	Website was open	Pass	

2	Click to the button Sign Up		Sign Up was open, there are no types, alignment is correct	Sign Up was open, there are no types, alignment is correct	Pass	
3	Change a screen resolution		Size is appropriate	Size is appropriate	Pass	
4	Fill the form		Form was filled	Form was filled	Pass	
6	Click on the button Sign Up		User was successfully registered	User was successfully registered	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_009	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> New user in Moodle	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Create new Users in Moodle	Test Execution date: 04/06/2019
<b>Description:</b> New user in Moodle	

<b>Pre-conditions:</b> Browsers: Safari, Google Chrome
Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Login	Login: Admin Password: 123zx C456!	Moodle login page opened	Sign Up was open, there are no types, alignment is correct	Pass	
3	In the Site Administration section on the left in the Settings section, navigate to Users > Accounts, click Add new users.		Add new user window was open	Add new user window was open	Pass	
4	On the Add new user page, Fill out the required fields. The required fields show in red and are the Username, New password, First name, Surname, Email address, City/town, and Select a country. Below is a brief description of what each section contains. Once these values are set		Form was filled	Form was filled	Pass	
6	Click Update Profile		User was created	User was created	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_010	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Courses	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> Enrolling users in Moodle Courses	Test Execution date: 04/06/2019
<b>Description:</b> Enrolling users in Moodle Courses	

**Pre-conditions:** Browsers: Safari, Google Chrome

Dependencies:

N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Login	Login: Admin Password: 123zx C456!	Moodle login page opened	Sign Up was open, there are no types, alignment is correct	Pass	
3	Click the Course you are adding the user to. In the Settings section,		Enrolled users window was opened	Enrolled users window was opened	Pass	

	go to Users > Enrolled users.					
4	On the Enrolled users page, click the Enrol users button.		Enrol user box was shown	Enrol user box was shown	Pass	
5	Click the Enrol button next to the name of the user to add the user. When a user is added, the user will indent in and the Enrol button will disappear.		Enrol button disappeared	Enrol button disappeared	Pass	
6	When done click Finish enrolling users		User was enrolled	User was enrolled	Pass	

Project Name: Russian Language School Romashka	
Test Case	
Test Case ID: RLSR_011	Test Designed by: Anastasia Verchak
Test Priority (Low/Medium/High): High	Test Designed date: 07/12/2018
<b>Module Name:</b> Courses	Test Executed by: Victor Ovchinnikov
<b>Test Title:</b> New course	Test Execution date: 04/06/2019
<b>Description:</b> Creating Courses in Moodle	

<b>Pre-conditions:</b> Browsers: Safari, Google Chrome
Dependencies:

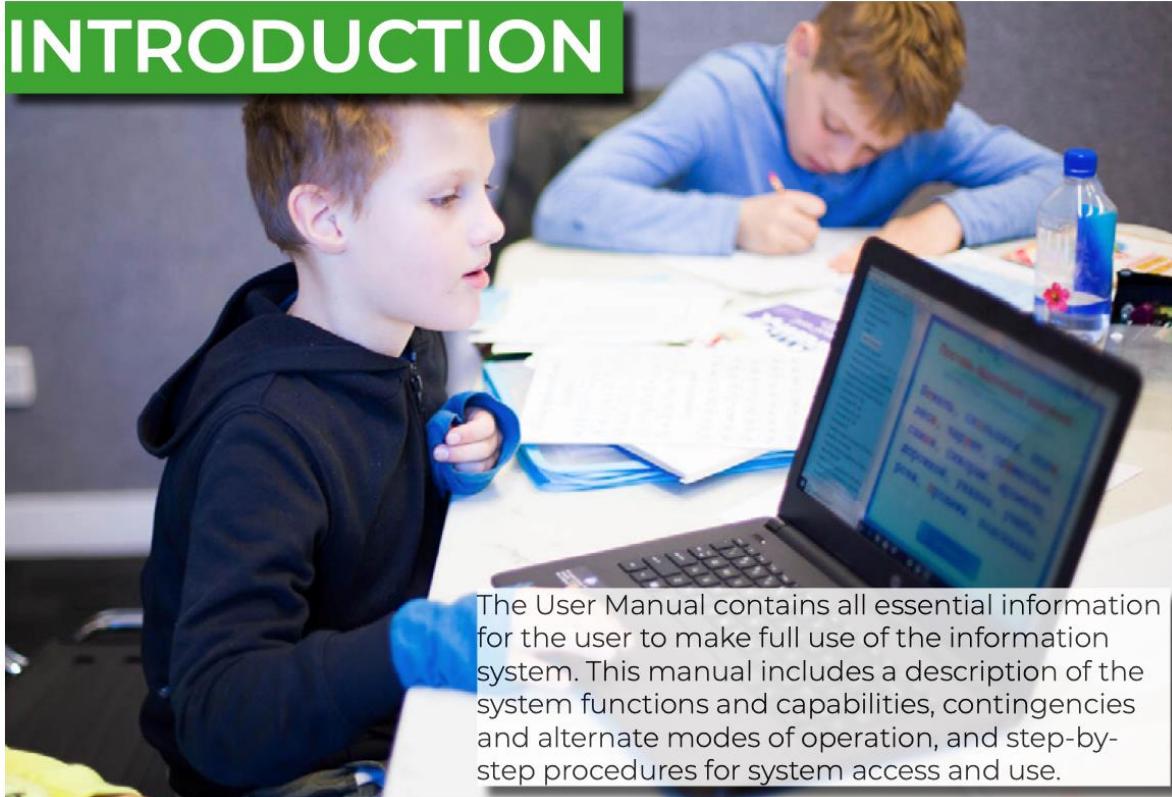
N	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Open the web site	<a href="http://romashka.ictatjcub.com/index.php">http://romashka.ictatjcub.com/index.php</a>	Website was open	Website was open	Pass	
2	Click to the button Login	Login: Admin Password: 123zx C456!	Moodle login page opened	Sign Up was open, there are no types, alignment is correct	Pass	
3	Go to the settings section		Setting window was opened	Setting window was opened	Pass	
4	Click on the button Add a new course		New course window was opened	New course window was opened	Pass	
5	Fill the form. Click the button Save		New course was created	New course was created	Pass	

## CLIENT USER MANUAL

All functionality of the System could be found in the User Manual, which answer for all basic questions about the System. Full version is available at .pdf format and was given to the Client before the client testing.



# INTRODUCTION



The User Manual contains all essential information for the user to make full use of the information system. This manual includes a description of the system functions and capabilities, contingencies and alternate modes of operation, and step-by-step procedures for system access and use.

## WHAT DO YOU NEED TO KNOW ABOUT YOUR SYSTEM?

### ROMASHKA system has two parts:

1. Web portal: contains all important information about the School and gives a user opportunity to pay for subjects directly from the Web.
2. Moodle dashboard: dashboard for teachers, students, parents and administrative stuff, where the user could perform all daily activities like upload/download homework, control the progress and etc.

## IMPORTANT INFORMATION



**Web site:** <http://romashka.ictatjcub.com>  
**Admin portal:** [http://romashka.ictatjcub.com/admin/admin\\_login.php](http://romashka.ictatjcub.com/admin/admin_login.php)  
**Admin login:** Admin@gmail.com  
**Admin password:** admin  
**Moodle admin login:** Admin  
**Moodle admin password:** 123zxC456!

### SYSTEM REQUIREMENTS:

#### Desktop:

- Chrome
- Firefox
- Safari
- Edge
- Internet Explorer

#### Mobile:

- MobileSafari
- Google Chrome

## QUESTIONS AND ANSWERS

### Q: Where I could find an information about the School?

A: You could read about the School at the page: Why us: About us

### Q: Where I could find an information about the staff?

A: That information is available on the page: Why us: Our team

### Q: Where I could see the courses which are available to study?

A: You could find that information at the page: Why Us: Courses

### Q: School does a lot of events. Is that correct?

A: That's right! All information is available at the section Events, where you could buy tickets directly through EventBright

### Q: How I can pay for my course? Could I do that online?

A: Correct! Please, go to the page Why Us: Courses, click on the button Pay and follow the instructions!

# HOW TO WORK WITH MOODLE

## Create new Users in Moodle:

**Step 1:** Log into the Moodle Dashboard

**Step 2:** In the Site Administration section on the left in the Settings section, navigate to Users > Accounts, click Add new users.

**Step 3:** On the Add new user page, Fill out the required fields. The required fields show in red and are the Username, New password, First name, Surname, Email address, City/town, and Select a country. Below is a brief description of what each section contains. Once these values are set, click Update Profile. **General:** The general settings contain the basic information for the user like the username, password, address and email, and other login information. The Choose an Authentication method drop box determines how users are authenticated when logging in. With this setting, the authentication method must be available in order for the method to work. In most cases, the Manual Account will be selected. To prevent users from logging in, the method can be set to No Login.

**User picture:** Here, users can have an image uploaded to represent their user account.

**Interests:** Allows details about the users non-course related activities.

**Optional:** Data such as the users Web URL, Skype, Yahoo, AIM, or MSN login, and phone numbers can be added.

**Step 4:** After the clicking Update Profile, the Users list will appear with the users in the Moodle database. If the User list does not show, click in the Settings section to the left, Site administration > Users > Accounts > Browse list of users to view the User list.

Once the user is added, the user will be seen in the List of Users.

## Managing Roles in the Define Roles section:

**Step 1:** Log into the Moodle Dashboard

**Step 2:** Navigate to Site administration > Users > Permissions > Define roles in the Settings section on the left.

**Step 3:** The Define Roles page should load with the following preset roles in the list. These can be edited or deleted depending on what the administrator wants to do. Usually these roles are left as their default settings. Below is a brief explanation of the default roles.

**Step 4:** To create roles other than the default roles, click Add a new role. The add new role section has a voluminous list of Permission options in the List of Capabilities. Each Permission will have a Warning for the admin to see what Risk will occur if the specific Role is given the Permission .

**Step 5:** The New role will show at the bottom of the Manage roles tab.

## Enrolling users in Moodle Courses

**Step 1:** Log into the Moodle Dashboard

**Step 2:** Click the Course you are adding the user to. In the Settings section, go to Users > Enrolled users.

**Step 3:** On the Enrolled users page, click the Enrol users button.

**Step 4:** In the Enrol Users box, the list of users will show. Click the Enrol button next to the name of the user to add the user. When a user is added, the user will indent in and the Enrol button will disappear. When done click Finish enrolling users.

**Step 5:** Once done the users should appear on the Enrolled users page. On the Enrolled users page, users can be Assigned roles, Deleted from the enrolment, or have the Enrollment status changed.

# HOW TO WORK WITH MOODLE

## Creating Courses in Moodle:

**Step 1:** Log into the Moodle Dashboard

**Step 2:** Before any courses can be added, «editing» will need to be turned on. Go to the settings section on the left and click Turn on editing.

**Step 3:** Next there will be a button titled Add a New Course. Click the button and the Edit Course Settings page will load.

**Step 4:** Edit Course Settings: Here the course settings can be set for the basic course description. The fields that are highlighted red must be filled in to add the course. Fill out the course information. This is not terribly critical. If there are any mistakes made, the course settings can always be changed at a later date.

**Step 5:** Navigate to the bottom of the page and click Save Changes.

**Step 6:** After saving the changes, on the left in the navigation section of the side bar, the new course will be available.

## Creating Courses in Moodle:

**Step 1:** Log into the Moodle Dashboard

**Step 2:** Once in the Moodle Dashboard, select the course and click the Add an activity or resource button to add an Assignment.

**Step 3:** In the Assignment module Settings, there will be be 6 different categories that can be edited to fine tune the assignment specifications.

**General:**

This section contains the basic name, description and course page.

**Assignment settings:**

The assignment settings section will give the administrator the

option to set cut off dates for submittals, set the due dates, and regulate late submissions.

**Submission settings:**

The type of submission can be set in this section. Assignment submissions can be set to file or plain text depending on the type of course.

**Feedback settings:**

Feedback comments and files can be turned on or off here.

**Grade:**

The Grade Scale, method, and category can be set here.

**Common module settings:**

this setting will allow the administrator to set the Assignments to groups and set the visibility.

**Step 4:** Enter the General Assignment name, Description and set the configuration to the specifications for the course. Once the settings are set for the Assignment, click Save and Return to course.

The final Outcome that displays when the user clicks the Assignment in the Course section is similar the following snapshot.

## IF YOU NEED ANY HELP...

Please contact our lovely team by the contacts details bellow and we will be happy to answer for all you questions!

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## CONCLUSION

The project ‘Romashka’ now stands completed, with most of the client requirements delivered along with some additional features. The client acceptance forms for all the three iterations, Alpha, Beta and Final are clearly evidenced in this documentation.

The project has been successfully tested by the client and relevant feedback has been obtained and documented.

The major differences between all the iterations as the project progressed, have been clearly highlighted in this document.

The progress of the team has been constantly monitored throughout the project, over all three iterations and depicted in the form of Burndown and Velocity Charts.

This project has been a great learning experience for the developers in the team as well as the Project Manager.