Durham University Sport (DUS)

-Softwave Engineering for the Internet-

Group 6

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- Team Member & Project Introduction
- Project Timetable & Actual Completion
- Requirements Specification
- Development Process
  *Special Solutions *Tools *External Resources
- Testing
- Improvement
- Demo

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This project is:

- An online software application to refine the existing website of DUS
- A team work

Team Member & Project Introduction

Jawaher Alharbi – *Main Technician*
- Information technology specialist
- Academic teaching experience
- Software developer

Chen Pan – *Orgainzer, Timer*
- Business Bachelor and expected CS master in 2020
- Experience in managing 10+ projects or activities
- Detail-oriented brainstormer

Duan Xiaoyu – *Test Engineer*
- Mechanical engineering bachelor
- Critical analysis
- Software testing experience

Wanyu Hong – *Main Technician*
- Computer Science education background
- Strong coding and digital ability
- Project development experience

Zifeng Chen – *Techinical Support, Speaker*
- Proficient in Internet System & E-Business module
- Idea contributor
- Sense of Information System insights

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Project Timetable & Actual Completion

Step	Task	Description	Owner		Team Deadline	Acutual Completion	Module Application
1	Requirements Specification	Requirements will be gone through and confirmed at the group meeting and being allocated to each person. A brief document will be written to clearly show the project organization.	The whole team		7th May	8th May	Waterfall
2	Coding Process	Every member will take part in programming the system and Github will be used to contribute in member corporation.	Database & Interface	Chen Pan	17th May	15th May	Agile
			User Functions	Zifeng Chen, Wanyu Hong			
			Admin Functions	Jawaher Alharbi			
3	Testing & Refine	The system will be tested repetitively to guarantee the website run smoothly and bugs will be discovered and repaired in this period.	Xiaoyu Duan		19th May	20th May	Agile
4	Project Report	This part contains group demonstration and individual reports.	The whole team		Demonstrtaion Materials: 22nd May	21th May	/

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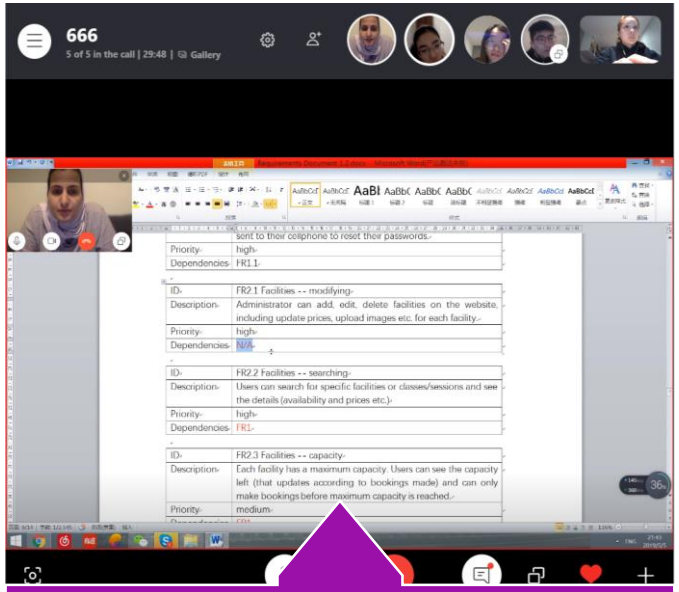
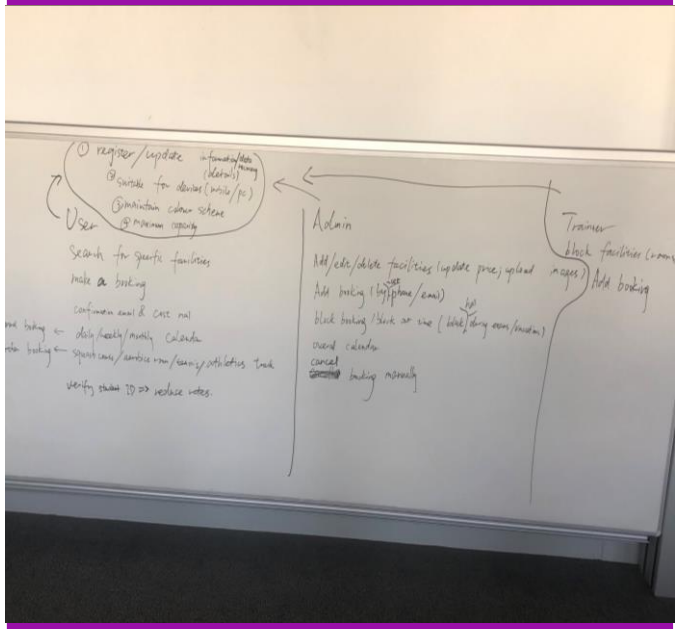
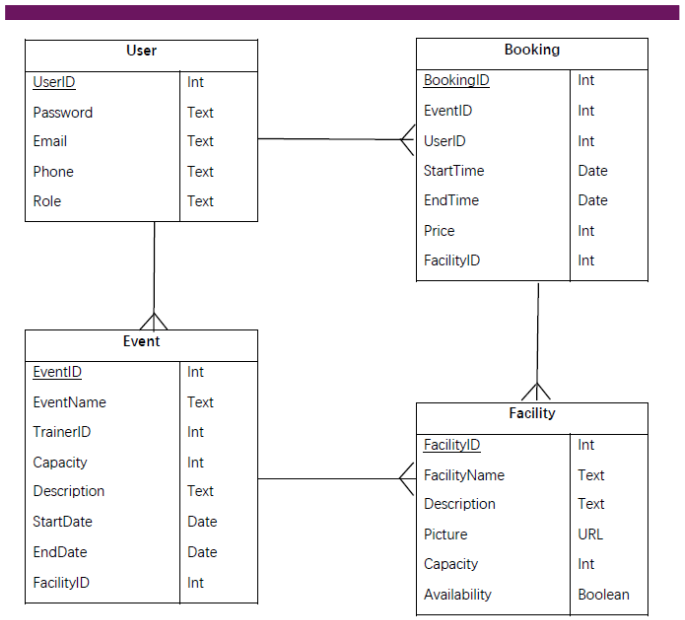
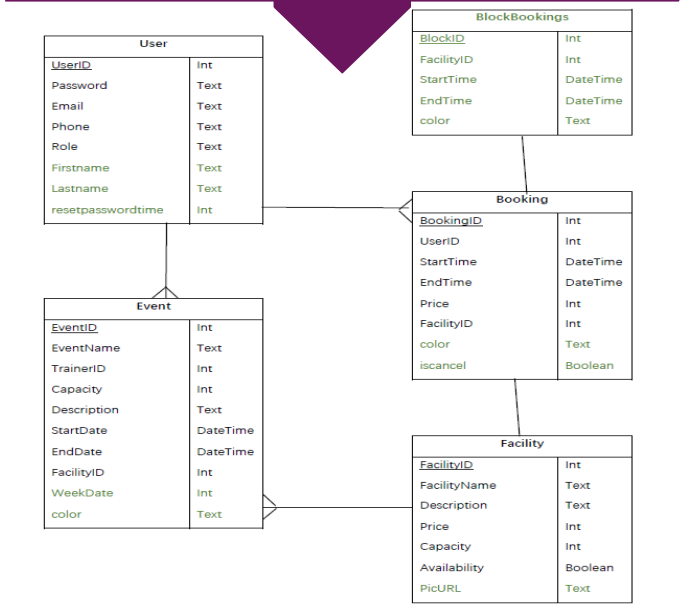
Requirements Specification









Development Process

- Special Solutions
- Tools
- External Resources

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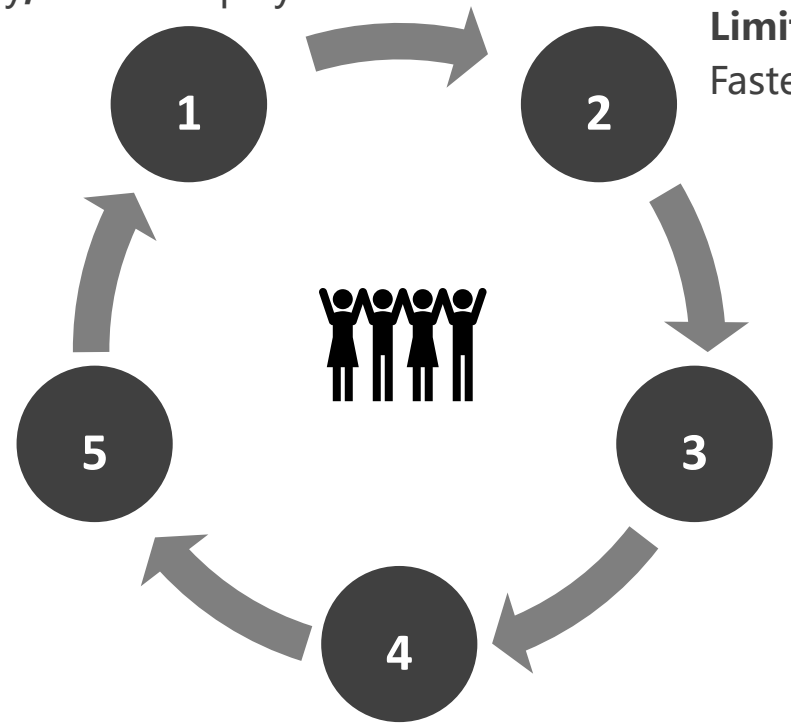
Special Solutions

One Calendar, recognize events by color
User-friendly, Visual Display



Limited Pages
Faster Loading Speed

Homepage User Guidance
User-friendly

Hour-based Bookings
Calculate Capacity Easier

Reset Password Expiration
Detail Update Notification
Security

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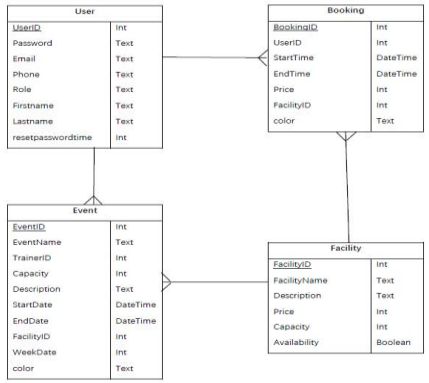
Tools & Resources Application

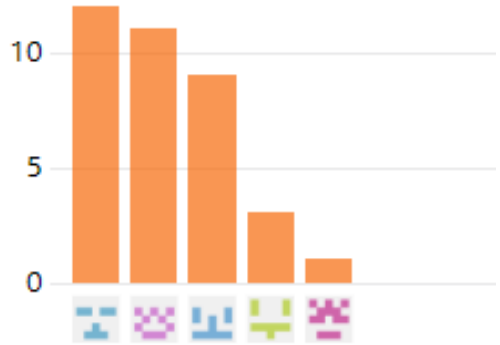
Communication

- ✓ F2F meeting
- ✓ Skype
- ✓ Group textchat



Coding

- ✓ PHPstorm
- ✓ PHPadmin (sql databse)
- × laravel framework



Corporation

- ✓ Github

5 authors have pushed **36** commits to all branches. **234** files have changed and there have been **47,598** additions and **936** deletions.

Resources

- ✓ Fullcalendar 3.1.0
- ✓ Jquery – 2.1.4
- ✓ Fancybox
- ✓ Bootstrap

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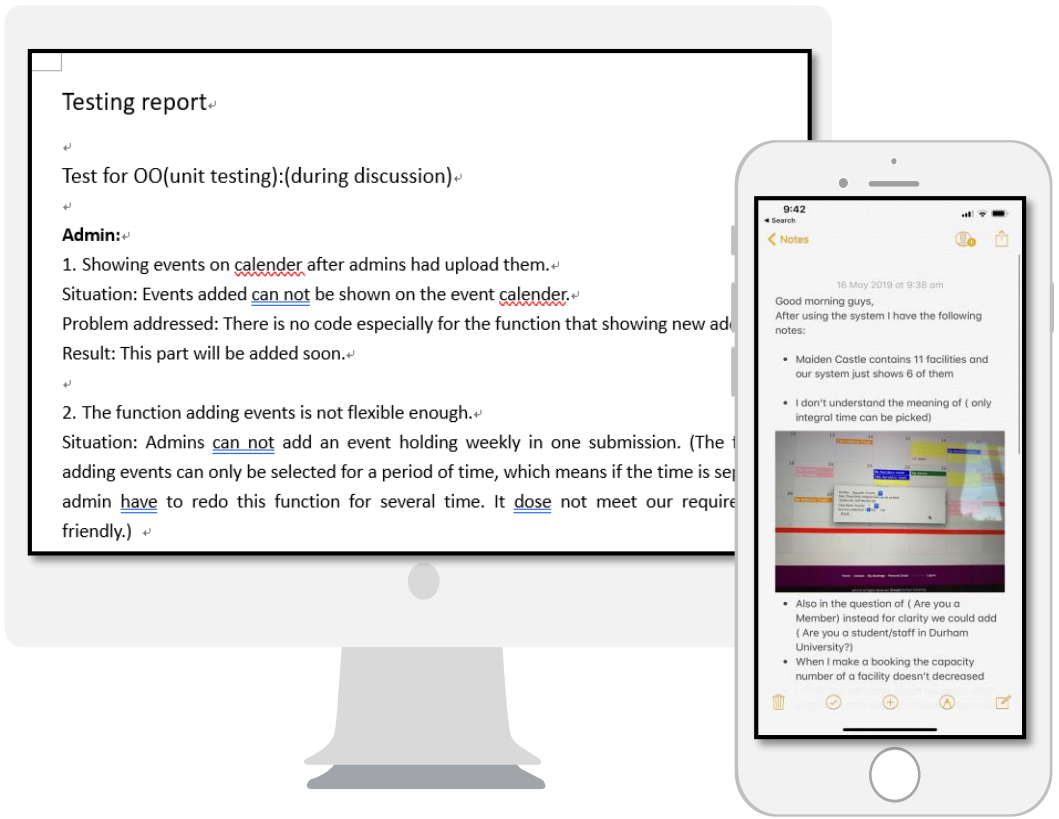
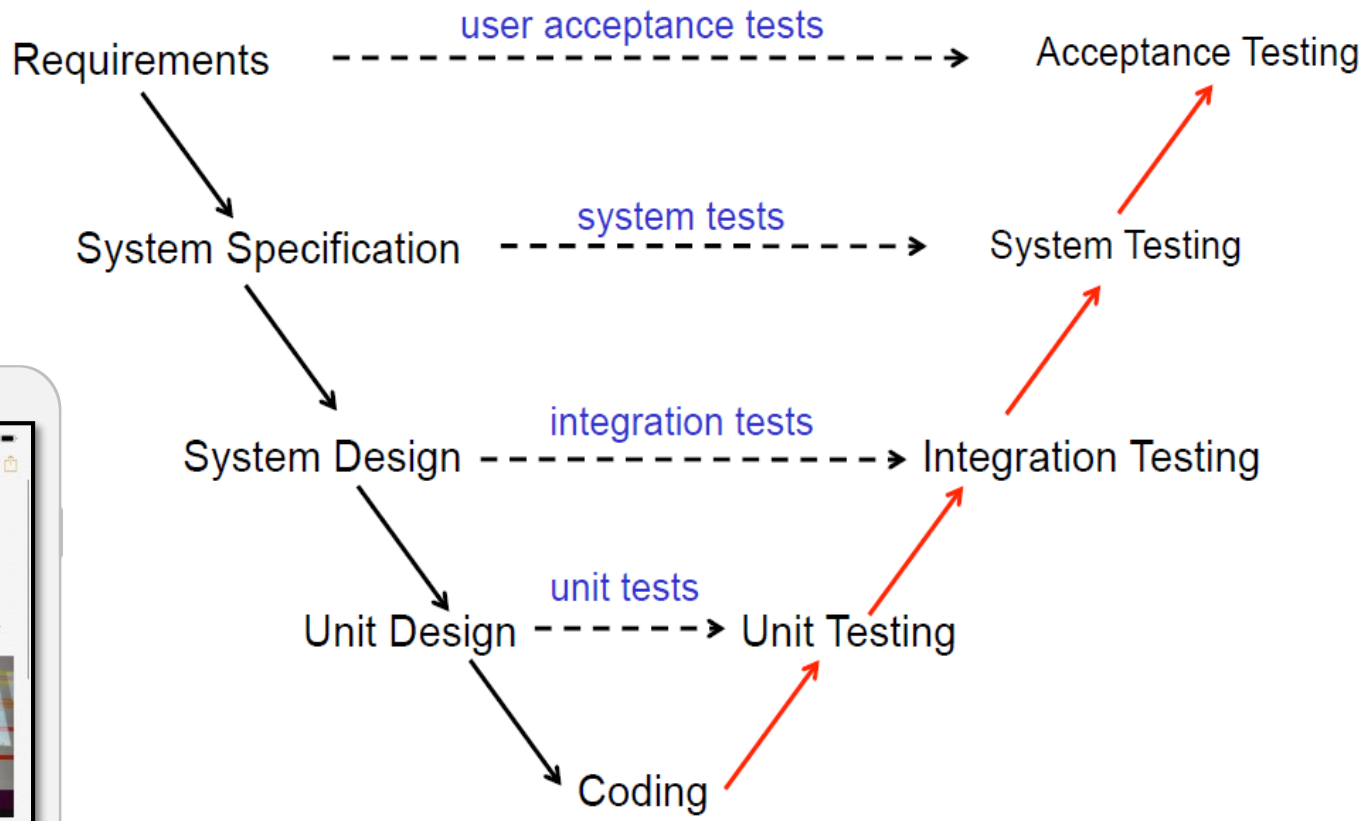
Testing

Specific

'think outside of the box'





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Improvement

1. Phone number authentication
2. Review the admin privileges every month
3. University staff or student membership online authentication and online payment
4. Allow users to make complex bookings or modify existing bookings
5. Send appointment notification
6. Achieve all the facilities to be booked online
7. Banner news about events and facilities
8. Check and update the academic calendar every term
9. Add trainer function
10. Add report function
11. Add a feedback page on the website and send out periodic questionnaire email

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Demo