



JUST GRACE

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SYNCHRONIZED VOID

UCT Knowledge Co-Op
Just Grace





INTRODUCTION

- As part of this course we were put into a group of 4 and put into contact with an external project sponsor via the *UCT Knowledge Co-op*.
 - Group Name: Synchronized Void
 - Project Sponsor: Grant Edmond
 - Sponsor Organisation: Just Grace
- Our team was tasked with finding a digital solution for *Just Grace* that would solve their communication and documentation problems.
- This has afforded us the opportunity to gain hands-on problem-solving experience in the real world.



UCT KNOWLEDGE CO-OP

The UCT Knowledge Co-op facilitated this collaborative project between Just Grace and UCT.

See <http://www.knowledgeco-op.uct.ac.za> or
Contact us at know-op@uct.ac.za / 021 – 650 4415



ABOUT JUST GRACE

- Just Grace is a community-based organisation who are committed to bringing about long-lasting and sustainable change in the community of Langa.
- Langa is home to approximately 50,000 people, filled with budding entrepreneurs and heritage sites.
- Unfortunately, the community is afflicted by gang activity, drugs, alcohol abuse, unemployment, and overpopulation
- Seek to transform the community into a place where residents are safe and have access to quality education and meaningful employment.
- The programmes seek to empower the citizens of Langa to more actively contribute to the community.





THE PROBLEM

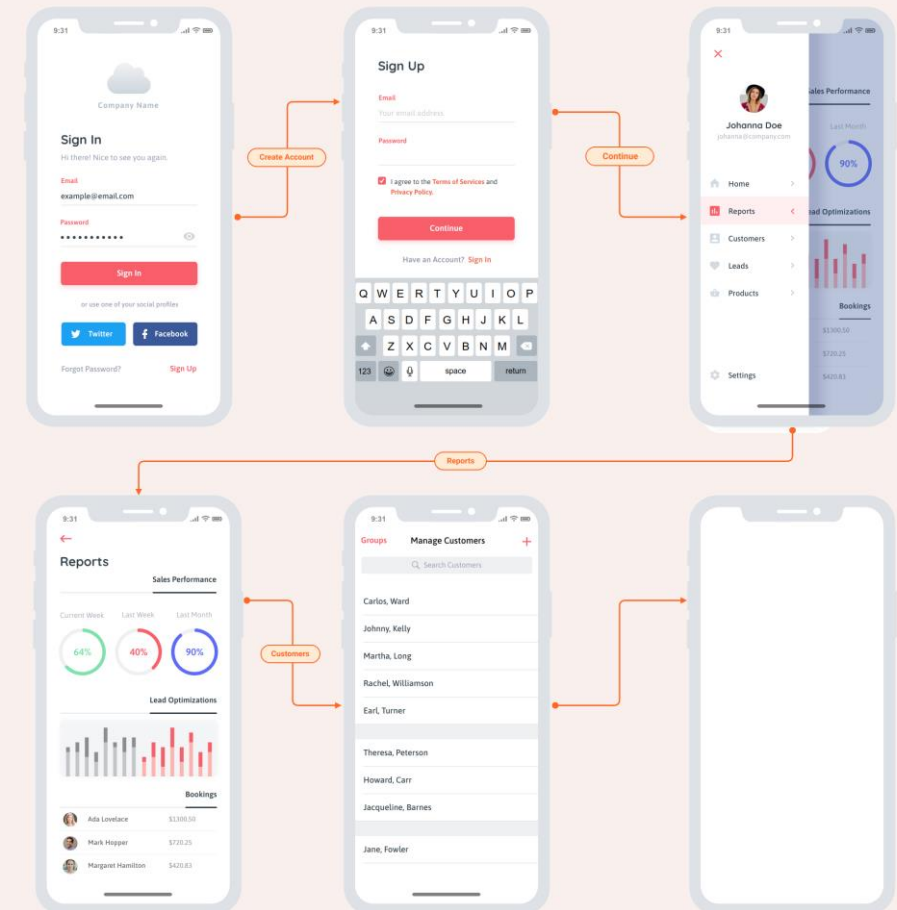
- Just Grace's existing paper-based documentation system is slow and inefficient.
- Just Grace's current use of SMSs to communicate with learners and parents has resulted in a lack of participation from both.
- Up to 50% of learners in these programmes have access to smartphones, with an upward trend.
- A Digital means of documentation and communication will be more efficient and convenient than the current system.
- Just Grace lacks the resource to develop their own digital solution to these problems.





PROJECT APPROACH

- Initially the project sponsor was eager to have a mobile application designed that would solve these problems.
- We approached this problem with the intention to create the specifications that would be required and design wireframes for this application.
- This proposed design included the creation of wireframes, detailed explanations, and in-depth documentation of the functional and non-functional requirements.
- After further research, it was deemed unviable due to lack of time, money, and it was out of the scope of this course.
- Therefore a pre-built solution that offers the same or similar functionality was researched instead





LEARNING MANAGEMENT SYSTEMS

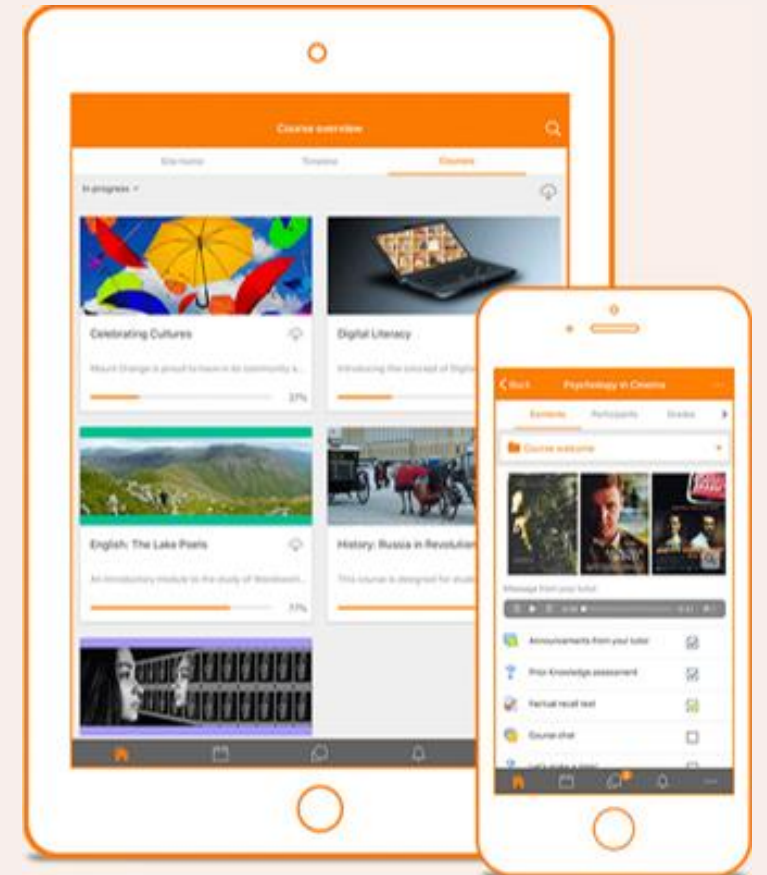
- Learning management systems (LMS) are platforms for the administration, documentation, tracking, automation and delivery of online courses.
- Allows for the creation of different user types, such as Administrator, Learner, and Parent, with hierarchies
- Helps with student engagement using contact tools.
- Used to manage documentation, and set up online enrolment for new and returning learners





PROPRIETARY SOFTWARE: MOODLE

- Moodle is a Learning Management System that offers a range of activities and educational tools that enhance existing learning environments.
- Moodle is fully customizable, allowing the organisation to tailor the system to its requirements and specifications.
- It offers seamless integration with cloud-based platforms such as Google Apps and Microsoft Office 365.
- Moodle provides both a standard desktop interface and a mobile application with full functionality.
- Ability to access your content through the app and keep learning. This is crucial when living or working in remote areas where the network might be unstable.





PROPRIETARY SOFTWARE: OPENLMS

- OpenLMS is a modern, streamlined LMS based on Moodle's existing LMS framework.
- They offer Software-as-a-Service(SaaS), this means that they can provide *Just Grace* with a working system and provide support in managing, operating and maintaining the system.
- Easy to use user interface will make it easier for learners, staff and parents to use this platform.
- OpenLMS prides itself for their focus on accessibility, regardless of disabilities or differences.

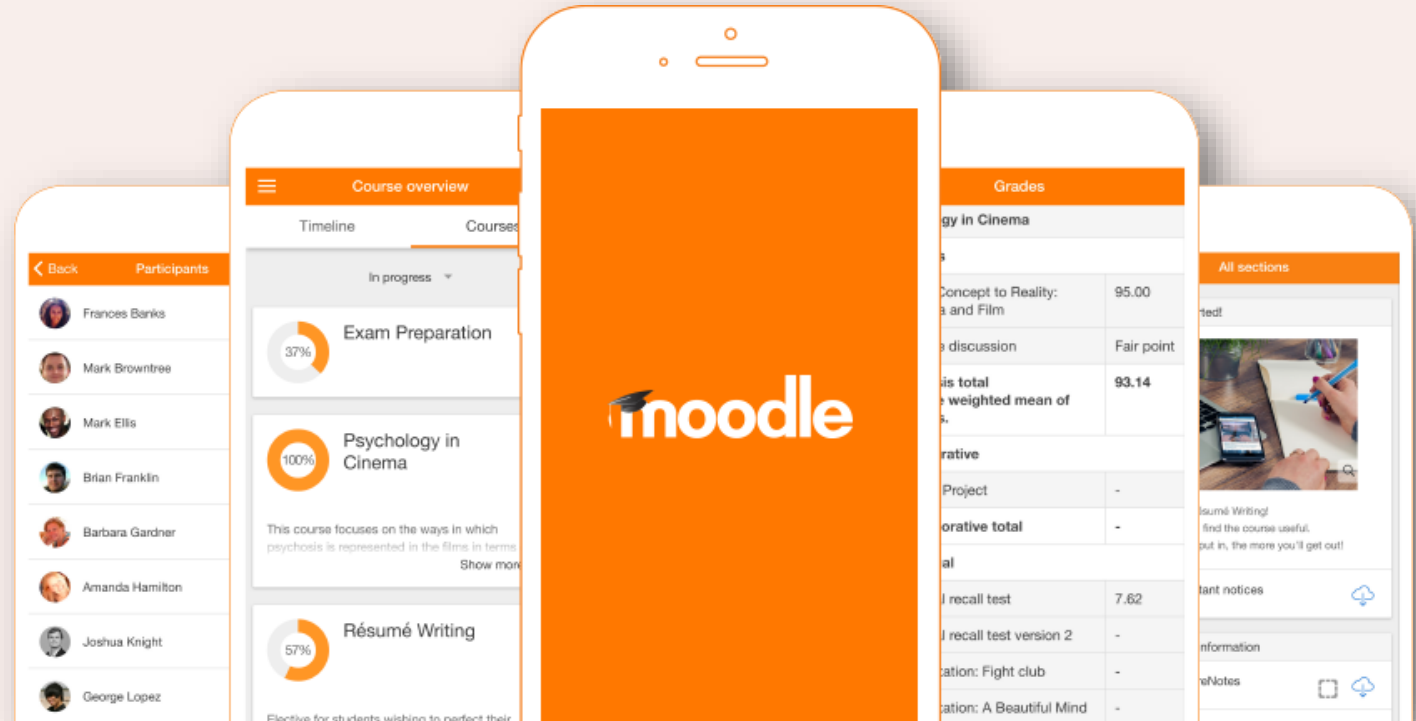
The screenshot shows the user interface for Stuart Lamour. At the top, there is a blue header with the user's name 'Stuart Lamour' and a 'Log out' button. Below the header, the main content area is divided into several sections:

- Courses:** A grid of course cards. The first row includes 'Algebra 202' (Progress: 1 / 26, 4%), 'Designing for Accessibility' (Progress: 3 / 17, 18%), and 'Designing for Usability' (Progress: 5 / 5, 100%, with a 'Feedback available' checkmark). The second row includes 'English Department Repository', 'Feminism in music' (Progress: 5 / 9, 56%), and 'Math 103' (Progress: 1 / 49, 3%).
- Deadlines:** A section titled 'End Remote usability testing' for 'Designing for Usability' due tomorrow at 12:00 PM.
- Messages:** A message from Cory Alvarez: 'Hi stuart, i'd like to talk to yo...' sent 3 days 20 hours ago.
- Forum posts:** Two posts from Mike Brown and Christian Brooks, both titled 'Re: How do you communic...' and related to 'Designing for usability / Online communication', both sent 3 days 20 hours ago.



SOLUTION: USING MOODLE LMS

- Moodle offers efficient File Sharing capabilities via the course/assignment section where admin and students can upload documents.
- Engagement analytics for insights into application usage and progress monitoring of learners to determine at risk cases.
- Facilitate collaborative learning amongst students through group activities, forums, chats and other tools to share knowledge.





SOLUTION: USING MOODLE LMS

- Extra functionality for learners, teachers and admins with free, community-created plugins.
- Integrated text accessibility checking tools help for building content with full support for all students, following common accessibility standards.
- Although less features than OpenLMS, fits Just Grace's needs adequately
- Moodle is significantly cheaper than OpenLMS, yet still offers a sufficient level of functionality to suit *Just Grace's* needs.

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Choose a plan that's right for you

	Free Trial	Starter	Moodle for School		
	Get it in minutes, try it for 45 days.	Ideal for a single class	Perfect for multiple classes		
			Mini	Small	Medium
				USD → ZAR 16,863.94	Search Copy
Annual price in AUD*	\$0	\$80/year	\$250/year	\$500/year	\$1,000/year
	Get Started	Sign up	Sign up	Sign up	Sign up
Max users	200	50	100	200	500
Max file storage	400 MB	200 MB	200 MB	400 MB	1 GB
Latest Moodle version	✓	✓	✓	✓	✓
Unlimited courses and activities	✓	✓	✓	✓	✓
Personalised site name	✓	✓	✓	✓	✓
Mobile app enabled	✓	✓	✓	✓	✓
Web conferencing with BigBlueButton	+ ✓	✓	✓	✓	✓
Custom certificates	✗	✓	✓	✓	✓
Document converter	✗	✓	✓	✓	✓
Automated backups	✗	✓	✓	✓	✓
Advanced theme	✗	✗	✓	✓	✓
Extra plugin pack	+ ✗	✗	✓	✓	✓
Plugin and theme installation	✗	✗	✗	✗	✗
	Get Started	Sign up	Sign up	Sign up	Sign up



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THANK YOU

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