

SKY'S WEB SOLUTION

Agile Project Management

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Frantzeska Kolyda

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Persona

RACI Register

The Key for the Raci Register is as follows :

- R - Responsible
- A - Accountable
- C - Consulted
- I - Informed


Deliverables	Product Manager (Munir Choudhry w1826770)	Project Manager (Ben Gajadar w1888472)	Scrum Master (Mashel Ayub w1889582)	Quality Assurance Analyst (Hazal Keskin w1910771)	Developer (Samyar Beheshti w1886381)
Positioning Statement	A	I	R	C	I
Persona	R	I	A	C	I
User Stories	R	A	I	I	C
Delivery Plan	C	R	A	I	I
The Prototype	A	I	I	C	R
Prototype Demo	I	I	R	A	C
Presentation	R	I	A	I	C

Positioning Statement

We will be creating a web application that aims to transform SKY's Front-End Engineering Department's team health assessment practices. This will offer error-free, user-friendly, and secure procedures unlike the existing spreadsheet, such as real-time data updates and reduce incorrect data-entry. In order to minimise risk, enhance effectiveness, and maximise control, our objective will ultimately allow for a more streamlined, collaborative, and accurate assessment process, thus enabling operational efficiency.

User Profile

User Persona




Name	Muhammed Yusef Ali Ibraheem
Age	35
Location	London
Occupation	Software Engineer
marital status	Single
Kids	No
Annual income	\$100,000

Interests	PC Gaming, E-Sports, Streaming, Coding
Challenges	Trouble battling minor dyslexia
Steps Takes to fix that	Currently seeing specialist using equipment
Goals	Wants to streamline the process for assessing team health. He seeks efficiency and to narrow the risk of error which can be done through clarity and ease of use in the tools that provide this data to senior management.
Motivation	Achievement, growth and capital gains
Frustration	The application is prone to data entry error and annoying to refresh

User Profile

User Persona



Name	Niamh Ed Merida Sherran
Age	25
Location	Ireland
Occupation	Project Manager
marital status	Situationship
Kids	Yes
Annual income	\$24,000

Interests	Archery, Baking, Shopping
Challenges	Trouble battling anxiety in the workplace
Steps Taken to fix this	Currently undergoing talking therapy
Goals	Wants to assess teams performance and view different testing attributes such as down time, passing / failing test and progress.
Motivation	Liberal Feminism, Independence and capital gains
Frustration	Struggle navigating using current application as it is not user friendly and complicated to use.

User Story Map

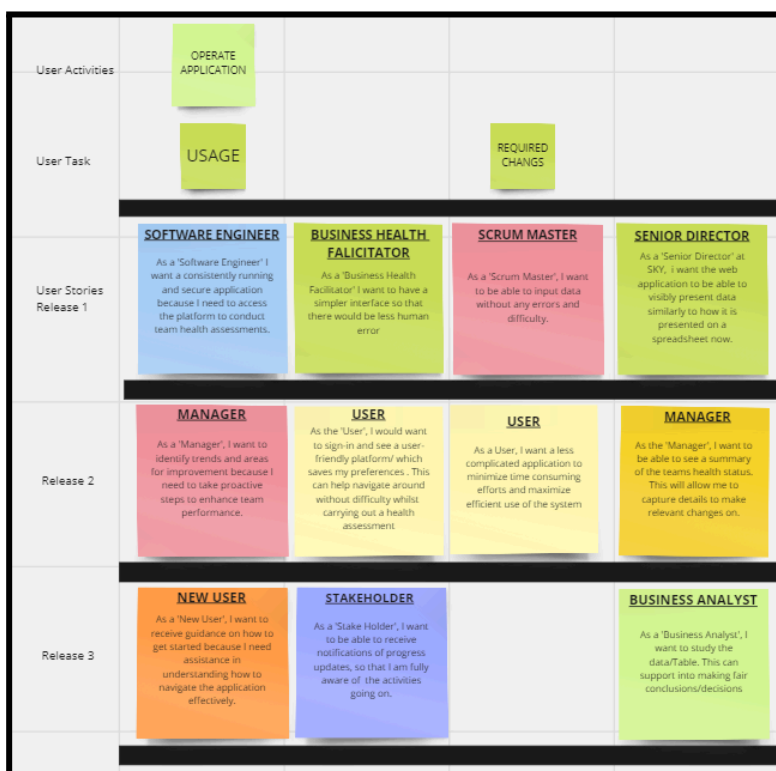
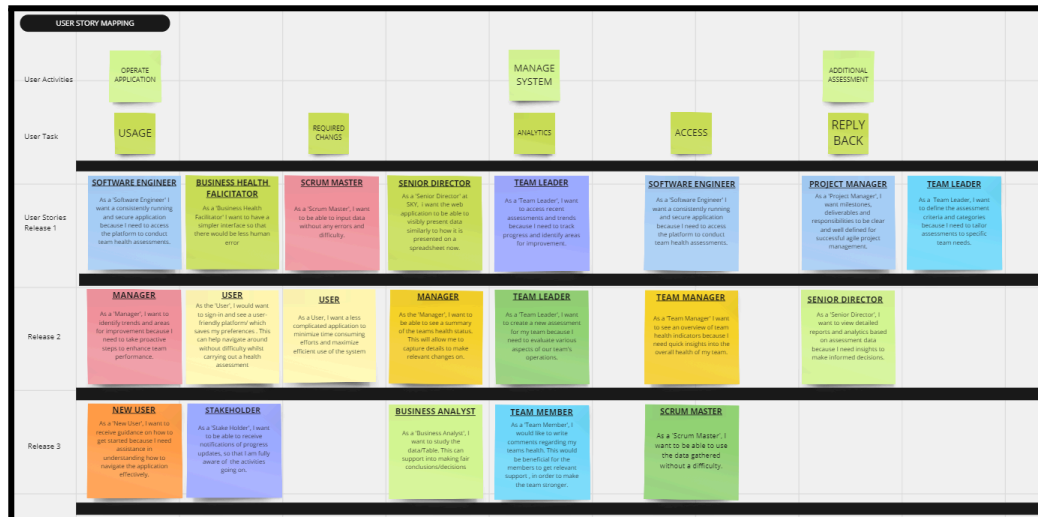
Introduction

Please find below our user stories. These have been helpful in understanding stakeholders and users of our solutions. These will affect our solution design and give us a better understanding of our stakeholders behaviour and use of the solution.

User Stories



User Stories - User Story Mapping



Delivery Plan

Introduction

This delivery plan guarantees elaborate management of every phase of the project, starting from the initial planning through to the presentation and then final completion, all within the designated timeframe. This timeboxing layout facilitates iterative development and incorporates feedback loops for a progressive and agile way of working.

Timetable for Delivery of Product

	DATE: 20/02/2024 - 26/02/2024	DATE: 27/02/2024 - 04/03/2024	DATE: 05/03/2024 - 11/03/2024	DATE: 12/03/2024 - 18/03/2024
	PHASE 1	PHASE 2	PHASE 3	PHASE 4
KICK-OFF	<ul style="list-style-type: none"> 20-21 February: Meetings with stakeholders for gathering requirements. 22-23 February: Use gathered requirements for persona development 24-25 February: User story mapping sessions to define features and user roles. 	<ul style="list-style-type: none"> 27-28 February: Begin prototype design based on user stories and personas. 29 February - 01 March: Continue prototype design focusing on dashboard and assessment creation. 02-03 March: Prototype group meeting and further development for onboarding and user authentication. 	<ul style="list-style-type: none"> 05-06 March: Prototype refinement based on initial feedback from team members. 07-08 March: Prototype testing sessions to gather feedback from stakeholders. 09-10 March: Iteration on prototype design and implementation based on testing results. 	<ul style="list-style-type: none"> 12-13 March: Finalize prototype design and implement remaining features. 14-15 March: Conduct final round of testing and debugging. 16-17 March: Prepare documentation for the prototype and deliverables. 18 March: Draft the presentation slides and script for the demo.

DATE: 19/03/2024 - 25/03/2024	DATE: 26/03/2024 - 01/04/2024	DATE: 02/04/2024 - 08/04/2024	
PHASE 5	PHASE 6	PHASE 7	CLOSE-OUT
<ul style="list-style-type: none"> 19-20 March: Record video walkthrough/demo of the prototype. 21-22 March: Review and edit the recorded demo video. 23-24 March: Prepare for the presentation and ensure all deliverables are complete. 25 March: Practice and finalize the presentation, ensuring all group members are ready. 	<ul style="list-style-type: none"> 26 March: Deliver and present the solution (interactive prototype) via the group presentation. 27-29 March: Gather feedback from the presentation, finalize the prototype design and implement remaining features. 30 March - 01 April: Conduct a final round of testing and debugging. 	<ul style="list-style-type: none"> 02-04 April: Prepare the final documentation for the prototype and deliverables. 05-06 April: Review and finalize the report structure and content with the report appendix. 07 April: Complete quality assurance of the full report, prototype solution, and appendix. 08 April: Submit the report and all accompanying materials. 	

	DATE: 20/02/2024 - 26/02/2024	DATE: 27/02/2024 - 04/03/2024	DATE: 05/03/2024 - 11/03/2024	DATE: 12/03/2024 - 18/03/2024	DATE: 19/03/2024 - 25/03/2024	DATE: 26/03/2024 - 01/04/2024	DATE: 02/04/2024 - 08/04/2024	
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	INVESTIGATION 10-20%		REFINEMENT 60-80%		CONSOLIDATION 10-20%			

The Interactive Prototype

Introduction

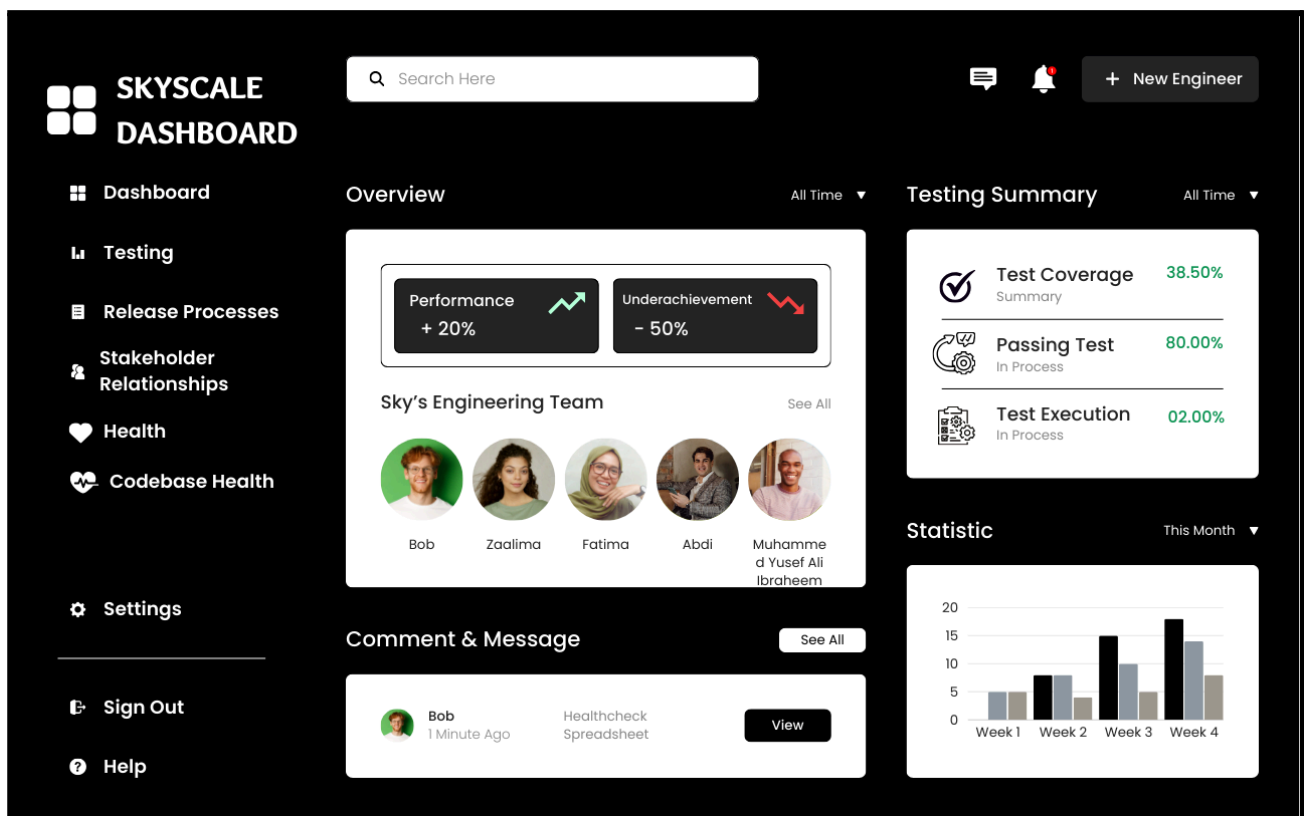
Please find below concept designs and plans for the web application solution. This will help developers with creating the application and give a thorough understanding of the interface.

Key Features of the Prototype

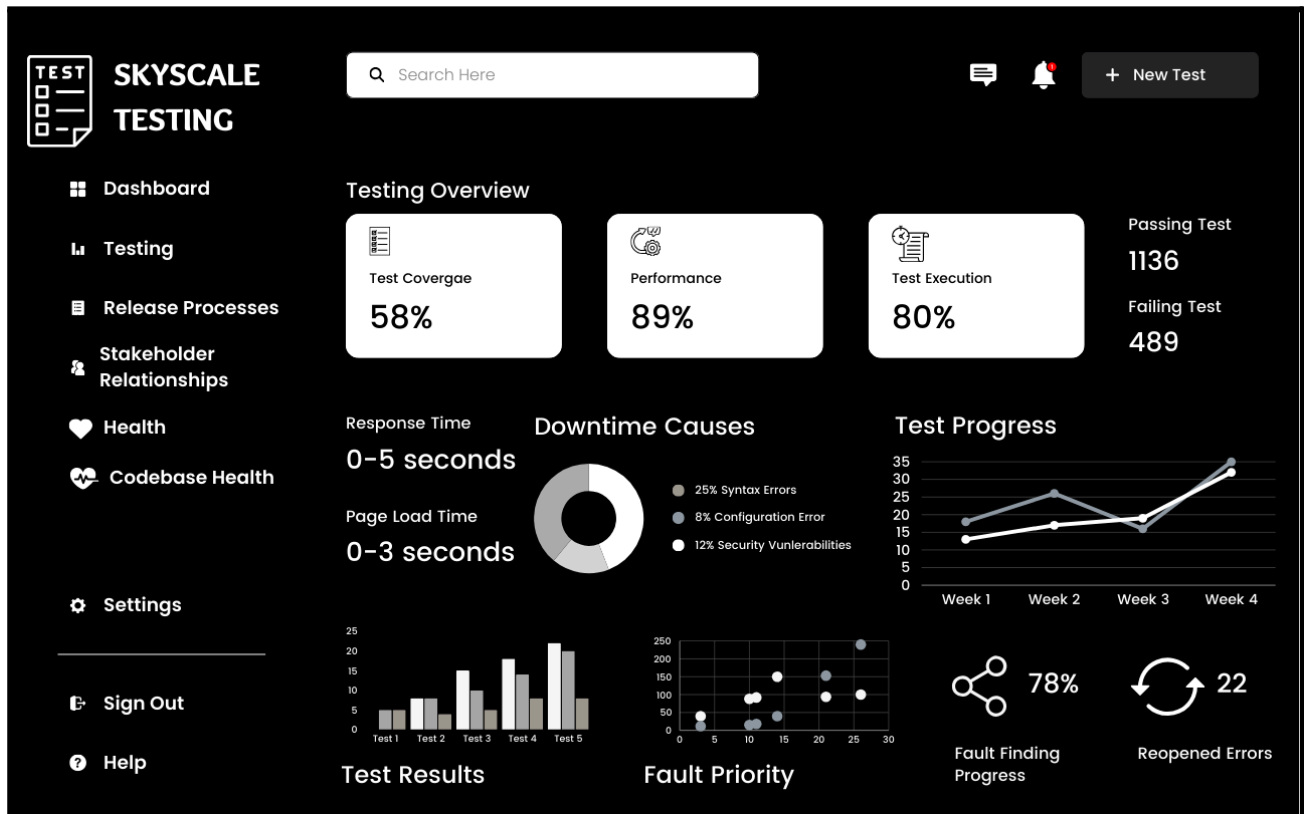
Some of the key features of the prototype include :

- Ability to develop pie, bar, line charts from stored data
- Ability to view and communicate with stakeholders effectively
- Ability to view updated data on demand e.g performance, testing . etc
- Ability to log in and out of a personalised account
- Ability to visualise data with clarity in different formats
- Ability to navigate around web applications simply

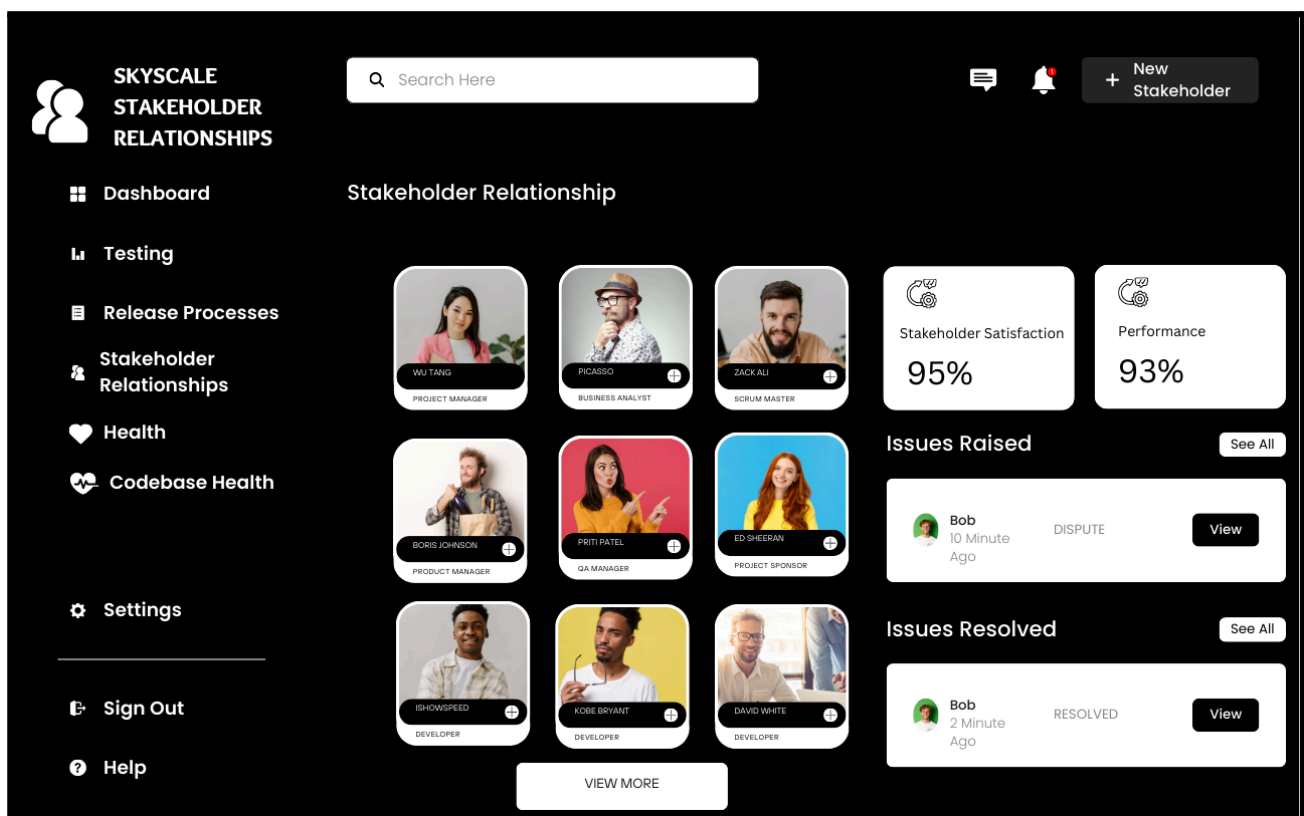
User Interface - Dashboard



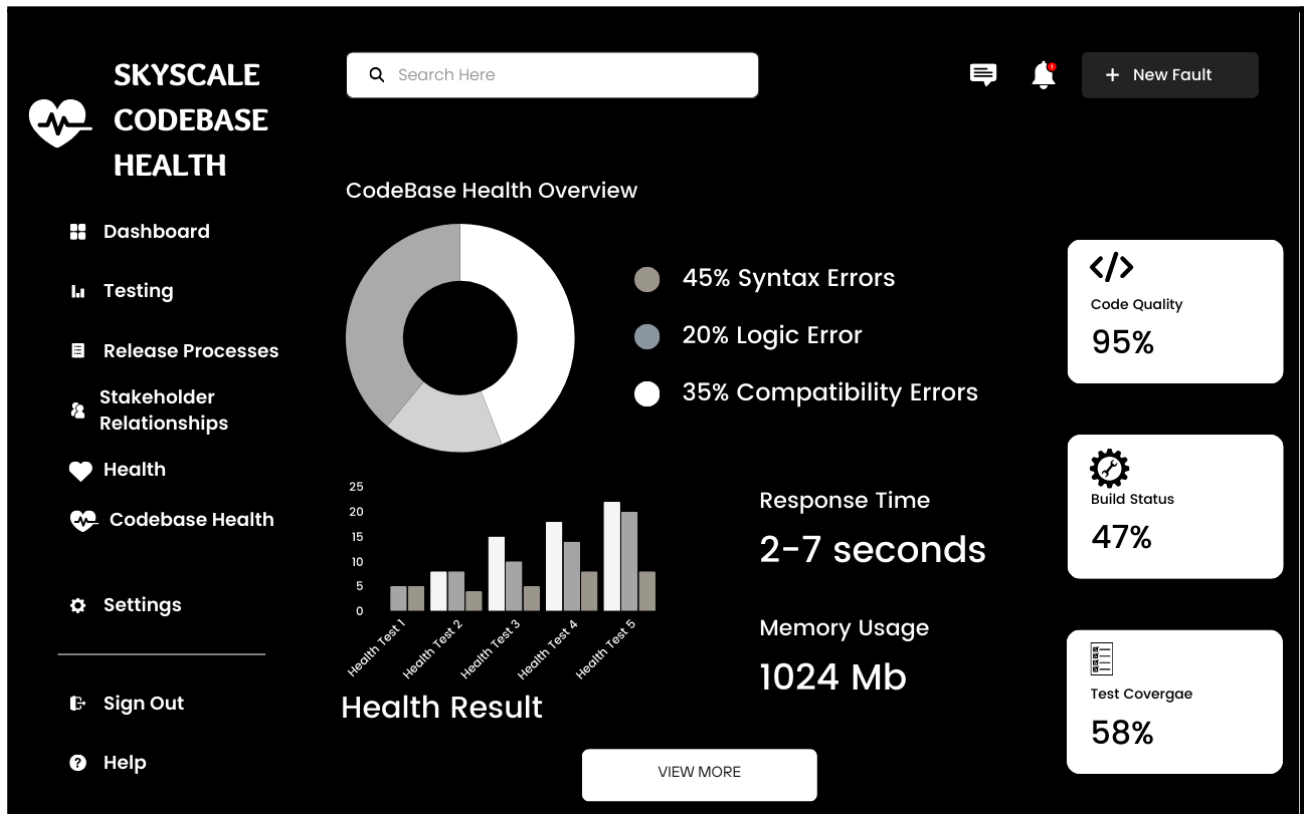
User Interface - Testing



User Interface - Stakeholder Relationships

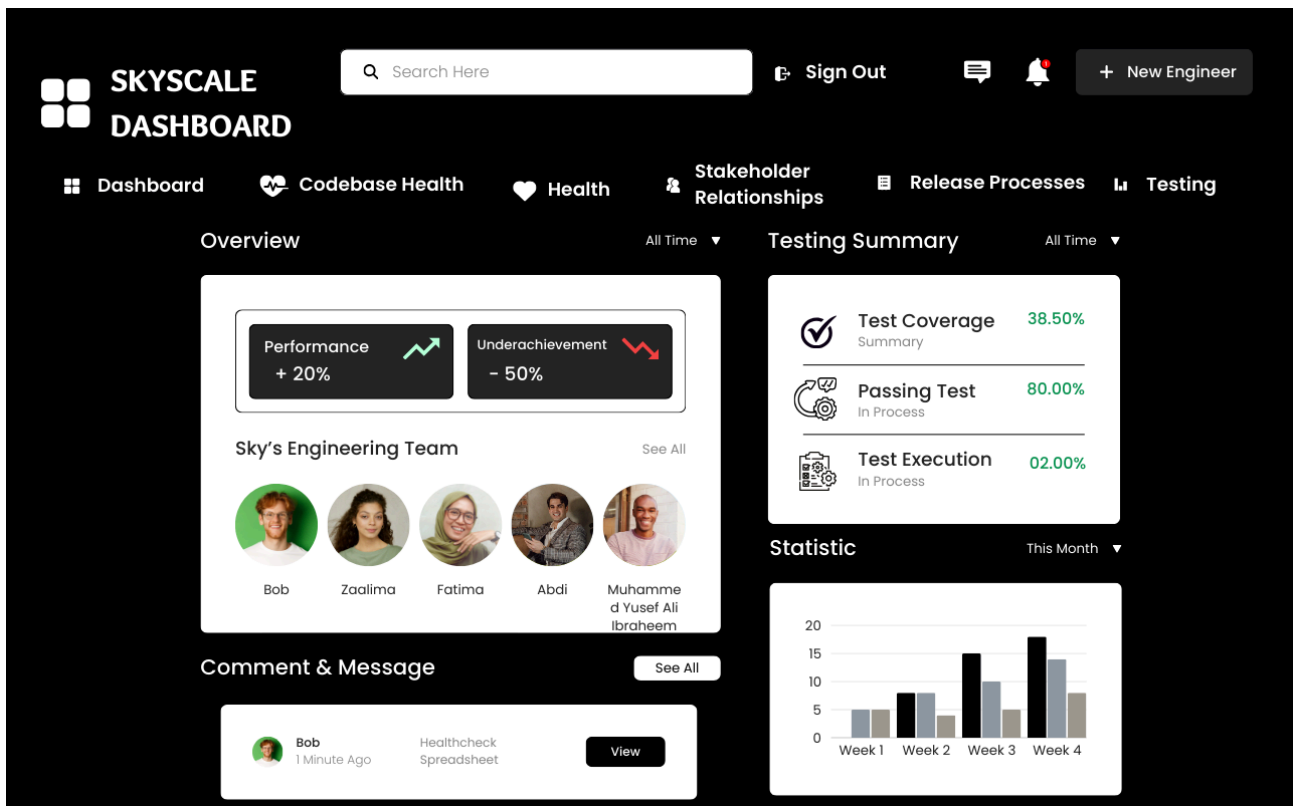


User Interface - Codebase Health



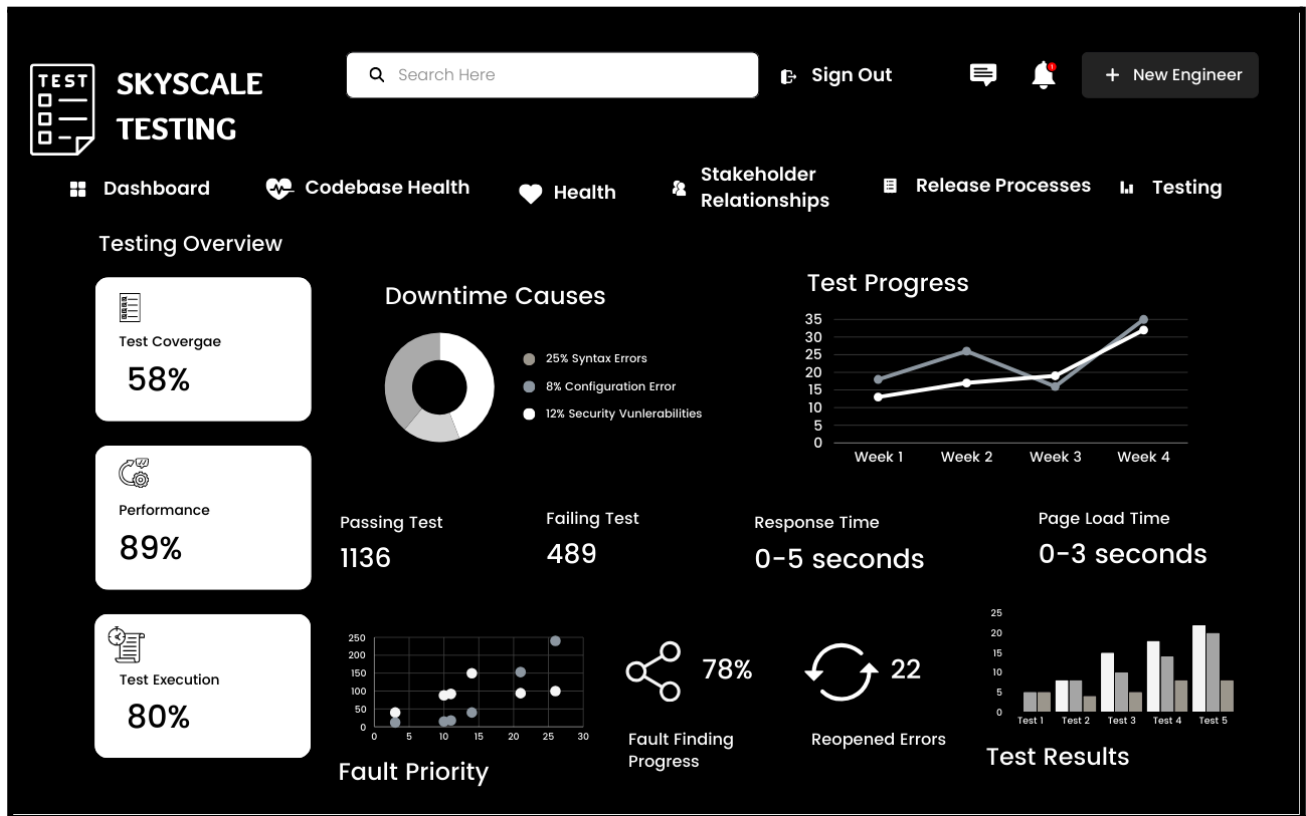
Improved User Interface - Dashboard

This is the dashboard user interface. It is very simple and straightforward. It allows users to view a summary of everything at a glance. This is helpful for having important data, quick and on hand when necessary. This page was developed with the point of view of the lead/senior developer.



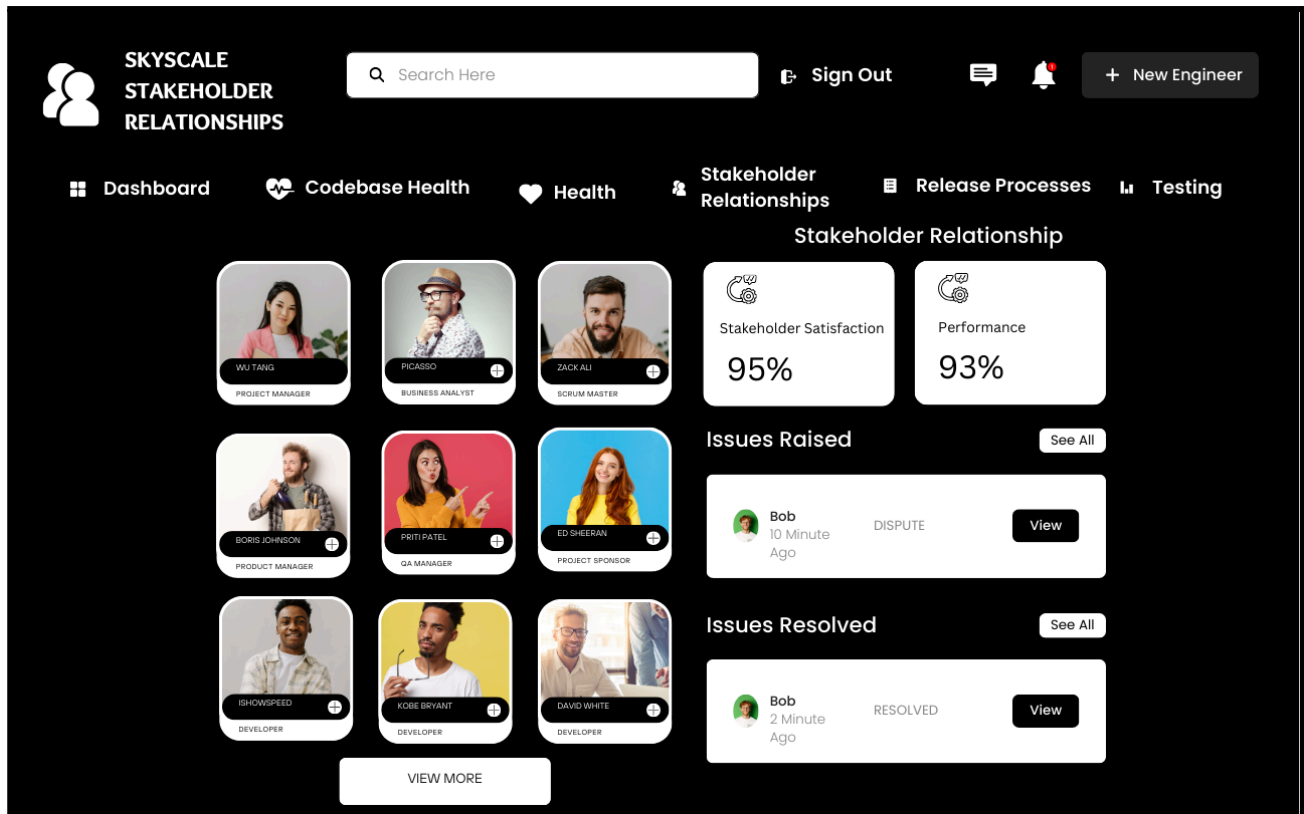
Improved User Interface - Testing

This is the testing user interface. This shows statistics and numbered measurements/percentages for testing. This can be updated, edited and accessed by the testing team allowing internal stakeholders to view these statistics. These statistics can be rapidly updated and accessed, enabling this application to align with agile methodologies.



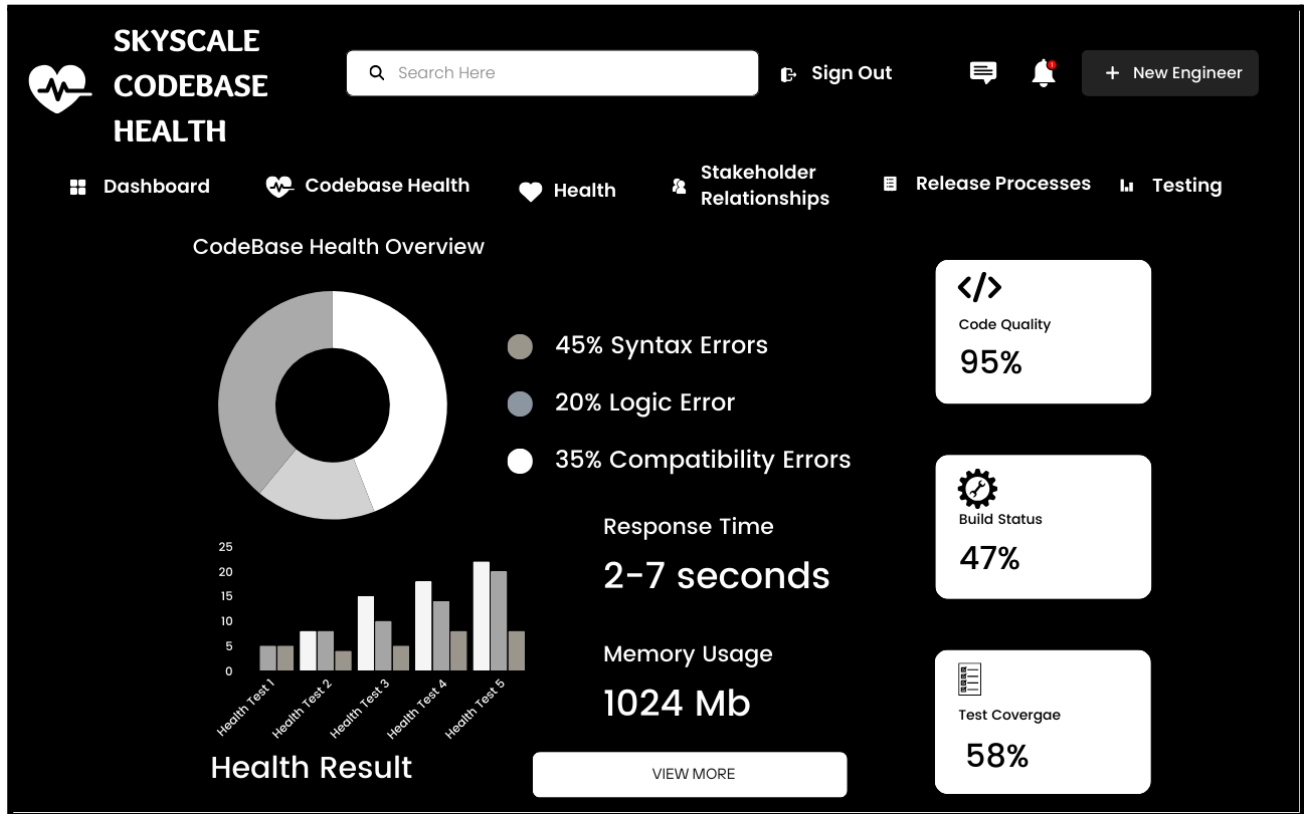
Improved User Interface - Stakeholder Relationships

This is the stakeholder relationship user interface. It has been improved by including, not only management of sky engineering but also other teams within Sky's organisation. This will allow different managers to have different types of access and permission settings for their account to use the web application. Additionally to this, statistics will be provided measuring staff performance and satisfaction using automatically sent questionnaires to teams.



Improved User Interface - Codebase Health

This is the user interface for codebase health. The purpose of this page is to show an assessment of how the code is. Its health, errors and things to be amended. This will be automatically assessed by the system once associated with code and projects however could be altered by senior engineers or management team.



Summary of User Feedback & Appraises

After presenting to Johnathan Lucky, a Delivery Manager for Sky, he has have suggested the following improvements to be made :

- Explanation of where statistics derive from
- Explanation of Stakeholder relationships (include other management in stakeholder relations)
- Explanation and identification of the point of view of the user interfaces (e.g a project manager viewpoint)
- Explain the health check in more detail and the fact it is automated

Additionally we presented to Huseyin Dagdeviren who said :



Appendix

Presentation Link

The Presentation presented was made using canvas. Please find the link below :

<https://www.canva.com/design/DAGAPOkaN84/zyEWldHHesbARUkN-NkiDQ/edit>

Miro Link

The User story / Delivery Plan was made using Miro. Please find the link below :

https://miro.com/welcomeonboard/amV1VVk4R0ZLYUEczkxVhQMjBPeW1zSIN1SEJOZFJFV3k1Z0hnWkFjcHBiY2VvQjhtcHNETVFHZ3djRVQxMHwzNDU4NzY0NTc2NTM4NTcyOTM5fDI=?share_link_id=229713512303