



Timelink - Final presentation/Demo

Presented by LAMTCo Solutions



Project update

Status

- First version fully developed

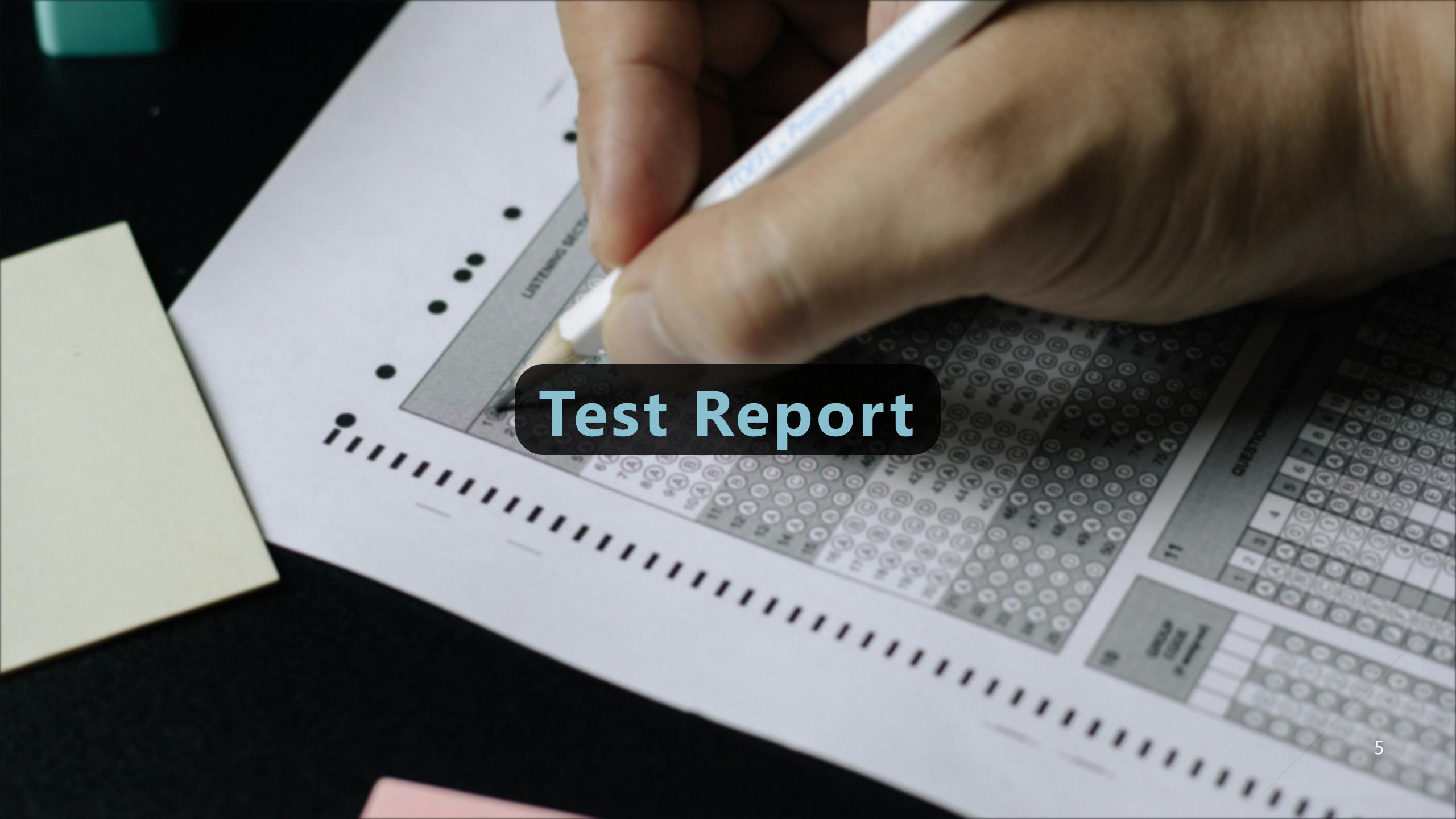
Some metrics

Milestone	Planned man-days	Actual man-days spent
1 (SPEC)	7	5
2 (Design)	7	3
3 (Back-end)	14	21
4 (Mobile-app)	14	22
5 (Admin-app)	14	/
6 (Testing)	14	18



Updated scope

- ✓ Completed
 - Build the mobile app with all the essential functionalities
 - Build the Data Server completely with all basic functionalities for both Admin and Normal users
- ✗ Left-out for the first version
 - Build a simple Admin page



Test Report

Manual tests

- 12 manual test have been defined and tested
- ✓ 9 tests did pass with no issues what so ever
- ✗ 3 tests did unfortunately not pass
 - 2 are related to reminder notifications
 - 1 is related with offline shift submitting

Unit tests

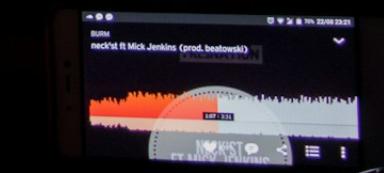
- During the execution of the unit tests, several issues were discovered
 - mostly related to incorrect business logic in the backend layer
- These issues demonstrate the usefulness of unit tests
- Most modules passed unit tests successfully, including:
 - Service layer
 - Domain and DTO objects
 - Exception handling
 - Security configuration

Percentage of tests that passed/failed

Test class	Number of tests executed	Passed	Failed
Services	45	44	1
Controllers	19	19	0
Domain/Models	10	10	0
DTO	11	11	0
Exceptions	6	6	0
Security	22	22	0
Total	113	112	1



Time for the demo



Final Conclusion

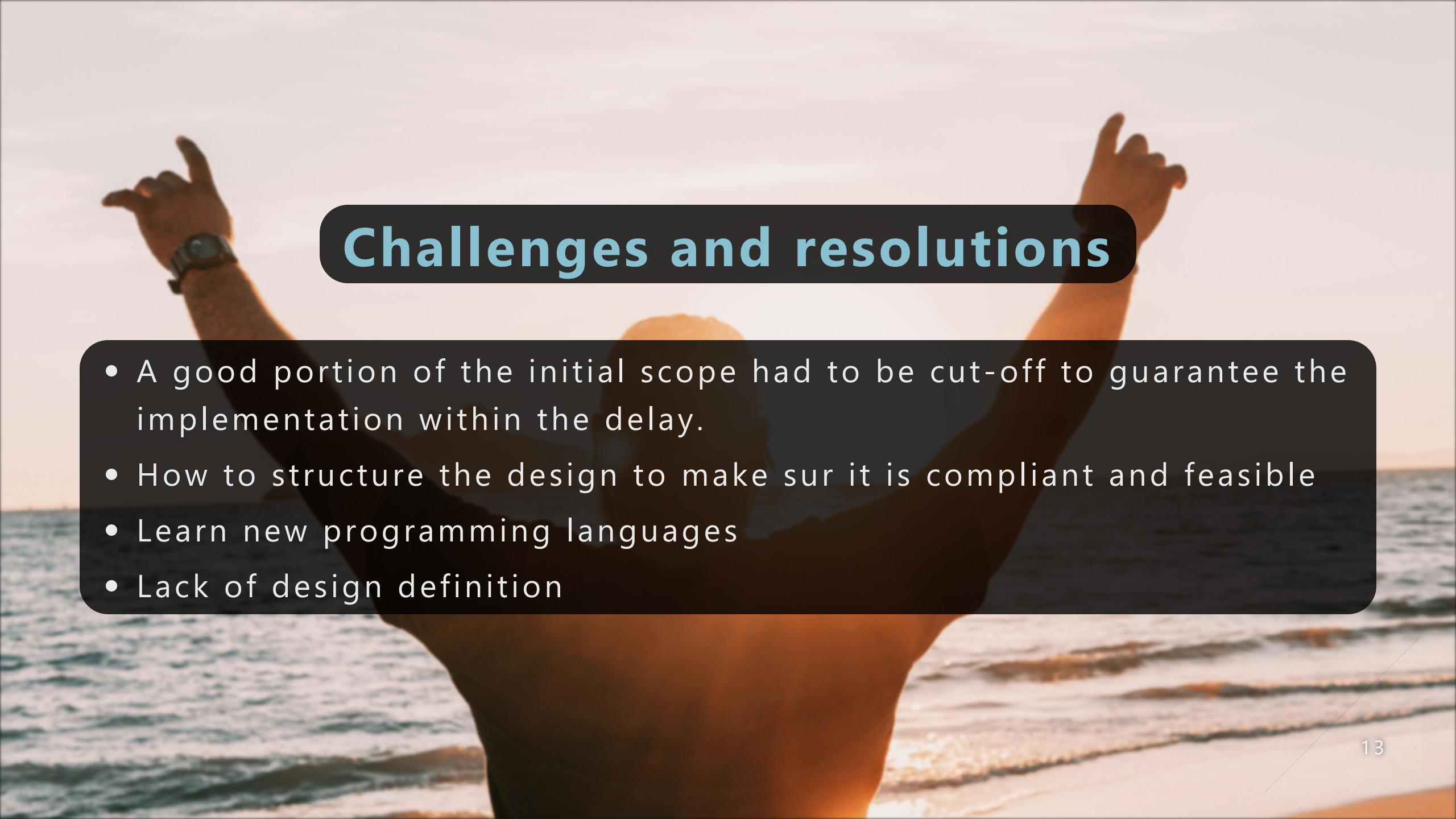
Project overview

-  **Main project deliverables**
 - i. Brainstorming Ideas
 - ii. Defining Specifications
 - iii. Software Architecture Design
 - iv. UI Mockups Design
 - v. Blueprint
 - vi. Back-end Development
 - vii. Front-end Development

A photograph of a person from behind, standing on a beach at sunset. The person's arms are raised, pointing towards the sky. The background shows the ocean and a warm, golden sunset.

Results and highlights

- Prototype version 1 of Timelink (Proof of Concept)
- Solid base code for future extension:
 - Security
 - Back-end solution
 - Front-end solution



Challenges and resolutions

- A good portion of the initial scope had to be cut-off to guarantee the implementation within the delay.
- How to structure the design to make sure it is compliant and feasible
- Learn new programming languages
- Lack of design definition

Positive outcomes

- **Technical**
 - Expo and React Native
 - Swagger/OpenAPI Integration
 - React Native vs React
- **General**
 - I improved my ability to follow project tasks and manage my own contributions efficiently, such as keeping track of issues and handling data consistently.
 - My teamwork and collaboration skills developed further through coordinating with team members.

Lessons learned

- Design should be more emphasized
 - Meaning that it to should further specified
- Testing should have been started earlier
- Avoid scope creep, always count with things to go wrong

A photograph of a person's silhouette standing in a field, facing a vibrant sunset or sunrise. The sky is filled with orange, yellow, and blue clouds. In the background, there are rolling hills or mountains. The foreground shows a dirt path and some grass. A dark, semi-transparent rectangular overlay contains the text.

Hope you enjoyed working with us

By LAMTCo Solutions