Deployment Timeline Report for LGP

*Project: Live Goal Predictor for Soccer Game*

*Date: 2024-01-08*

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## Executive Summary:

This report outlines the deployment timeline for the LGP model (Live Goal Predictor).

The purpose for this report is estimating the period for each stage in transforming the data collection and odds prediction into API for purpose of deployment to admin web.

### **Phase 1: API of Collecting and Transforming RB Data:**

1st API includes into following tasks: (request only one time in the match)

* Getting feed ID and metadata from match ID (use GetMatch and GetFeedMappingInfo endpoint to output Match details and feed info)

**1st API: lgpmopdel.com/api/v1 /match\_info?matchid={match\_id}**

2nd API is in charge of following missions:

* Fetching current event from running ball and in-game abilities of both teams.
* Pre-processing the relevant APIs and use it as the input for my model.
* Returning the output as the input of my model (next phase)

**2nd API: lgpmopdel.com/api/v1/fetch\_rbevent?** **feed\_id= {feed id of that match}**

**Output: collect\_data \_output (json type)**

### **Phase 2: API of Predicting the in-game abilities:**

According to the input of 1st API, use 3rd API to predict abilities by LGP model, which built before. It comprises these tasks as below:

* Run model
* Export the output (ab values of 2 teams)

**3rd API Name: lgpmopdel.com/api/v1/run\_model**

**Input: collect\_data \_output (json type)**

**Output: ability\_data (json type**)

## Timeline Table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Phase | Task | Start Date | End Date | Duration | Dependencies | Owner |
| Planning and Preparation | 1. Define Deployment Scope and Strategy | 2024-01-08 | 2024-01-08 | 1 days | - | Tri Le and Leomer |
|  | 2. Implement 1st API for collecting data | 2023-01-09 | 2023-01-15 | 5 days | - | Tri Le |
|  | 3. Test 1st API | 2023-01-16 | 2023-01-17 | 2 days | 2 | Tri Le |
|  | 4. Implement 2nd API for predicting ab values | 2023-01-18 | 2023-01-23 | 4 days | 2,3 | Tri Le |
|  | 5. Test 2nd API | 2023-01-23 | 2023-01-24 | 2 days | 2,3,4 | Tri Le |
|  | 6. Build UI for testing stage |  |  |  |  |  |
| Development and Testing | Configure Deployment Scripts |  |  |  |  |  |
|  | Update Deployment Scripts |  |  |  |  |  |
|  | Conduct Unit Testing |  |  |  |  |  |

## Risk and Mitigation Strategies:

* Risk: Technical issues during deployment.
* Mitigation: Thorough testing, rollback plan, redundant infrastructure.
* Risk: Unexpected delays.