Yapluca

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                    |  Yapluca  |
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                  /       |       \
                 O        O        O
                /|\      /|\      /|\
                / \      / \      / \
          Utilisateur Administrateur Partenaire
                |        |        |
                v        v        v
          +-------------------------------+
          |  Service externe              |
          |  +-------------------------+  |
          |  | Openstreetmap   Firebase|  |
          |  +-------------------------+  |
          +-------------------------------+
```

Système Yapluca

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+------------------+  +------------------+  +------------------+  +------------------+
| Administration   |  | Gestion des      |  | Interface        |  | Gestion des      |
| et reporting     |  | utilisateurs     |  | utilisateur      |  | bornes           |
+------------------+  +------------------+  +------------------+  +------------------+
        |                    |                    |                    |
    <<access>>           <<merge>>           <<access>>   <<access>>  <<merge>>
        v                    v                    v                    v
+------------------+  +------------------+  +------------------+  +------------------+
| authentification |  | emprunt et retour|  | Carte et         |  | statistique et   |
| et profil        |  |                  |  | localisation     |  | tableau de bord  |
+------------------+  +------------------+  +------------------+  +------------------+

           <<import>>        <<import>>
           <<import>>
```

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+-----------------------------------------------------------------------------------+
|                             <<Application>>                                       |
|                                YapluCa                                            |
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        |                  |                  |                  |
        v                  v                  v                  v
+---------------+  +---------------+  +---------------+  +---------------+
| <<Package>>   |  | <<Package>>   |  | <<Package>>   |  | <<Package>>   |
| Interface     |  | Gestion des   |  | Gestion des   |  | Administration|
| Utilisateur   |  | Bornes        |  | Utilisateurs  |  | et Reporting  |
+---------------+  +---------------+  +---------------+  +---------------+
        |                  |                  |                  |
        v                  v                  v                  v
+---------------+  +---------------+  +---------------+  +---------------+
| <<Package>>   |  | <<Package>>   |  | <<Package>>   |  | <<Package>>   |
| Authentific.  |  | Cartographie  |  | Emprunts et   |  | Statistiques et|
| et Profil     |  | et Localisation| | Retours       |  | Tableaux de Bord|
+---------------+  +---------------+  +---------------+  +---------------+
        |                  |                  |                  |
        v                  v                  v                  v
+---------------+  +---------------+  +---------------+  +---------------+
| • LoginScreen |  | • MapScreen   |  | • LoansScreen |  | • DashboardScreen|
| • RegisterScreen| | • MapProvider |  | • LoanHistoryWidget| | • StatsWidget|
| • ProfileScreen|  | • StationMarker|  | • QRScannerScreen| | • ReportGenerator|
| • AuthProvider|  | • StationCard |  | • LoanProvider|  | • AdminBorneManager|
| • UserModel   |  | • FilterWidget|  | • LoanModel   |  | • PartnerManager|
| • UserRepository| | • RouteService|  | • PaymentService| | • BillingService|
| • NotifService|  | • LocationService| | • NotifService|  | • ExportService|
| • SettingsScreen| | • StationRepo |  | • ReturnReminder| | • UserManagementScreen|
+---------------+  +---------------+  +---------------+  +---------------+
```