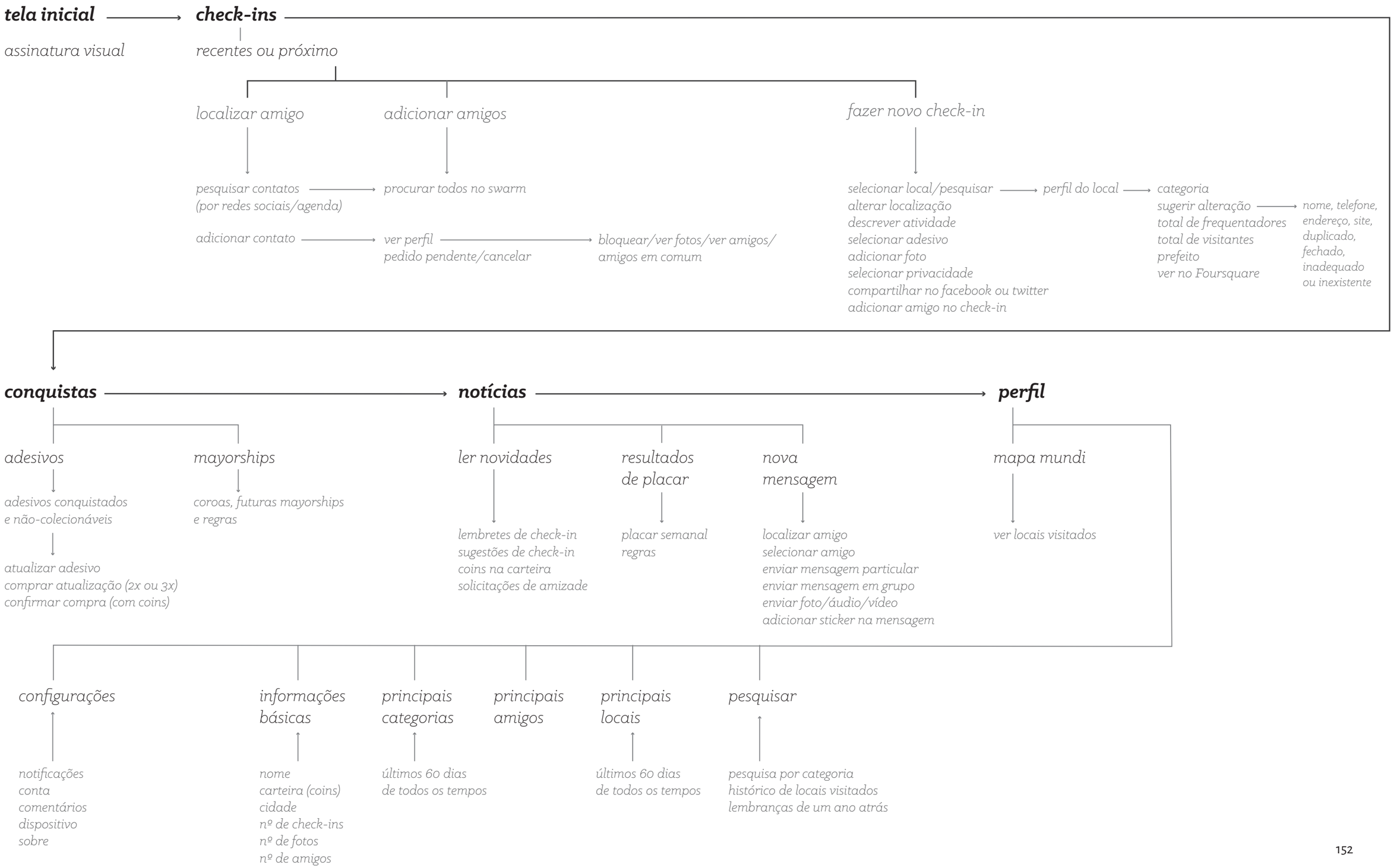APÊNDICE D - *análise estrutural*