

The SWA diagram represents the system architecture of an online movie ticket booking application, showing the different components and how they are connected.

The user is the primary component and connects to the website and mobile app. The website and mobile app are connected to the login page, register page, and movie listings page. The login page is connected to the register page in case of failed login attempts. The register page is connected to the stored data, which contains user registration information.

The movie listings page is connected to the database that contains movie information, including multimedia such as audio, video, and images. The movie listings page is also connected to time and location, which shows available showtimes and theaters. The time and location component is connected to databases containing theater information, which displays available seats for each theater.

Once the movie and seats are confirmed, the seating arrangement component is connected to the ticket screen component. The ticket screen component is connected to the payment process component, which handles payment information and generates an invoice. The payment process component is also connected to time and location to ensure that the transaction is associated with the correct showtime and theater.

The view tickets component is connected to the cancel/refund ticket component, which allows users to cancel or refund their tickets. The cancel/refund ticket component is connected to the payment process component to handle refunds.

Finally, the ticket information component is connected to the database containing user information and email information to send ticket confirmation and invoice details to the user.

Overall, the SWA diagram shows the flow of information and interactions between the different components of the movie ticket booking application.