App Functionality & Features	Challenges & Solutions	Marketing & User Engagement	Expansion & Business Potential	Sustainability & Impact
QR codes or barcodes on recycling bins to scan and track items.	Use AI image recognition to verify items being recycled.	Recruit student influencers to promote the app.	Expand to different schools and organizations.	Encourage use of reusable items through in-app challenges.
Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1
Add levels, badges, or challenges to motivate students.	Educate students in-app on what items can and cannot be recycled.	Use Instagram, TikTok, or other platforms to showcase top recyclers and rewards.	Partner with recycling companies and brands for sponsorships.	Provide users with a campus-wide report on the impact of recycling efforts.
Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1
Points are earned for every item recycled, redeemable for rewards.	Introduce time-sensitive challenges and bonus rewards to keep engagement high.	Offer high-value rewards like gift cards, tickets to events, or free campus merchandise.	Monetize through in-app ads or premium features like exclusive rewards.	Partner with local businesses to offer sustainable product rewards (e.g., reusable water bottles, tote bags).
Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1
Provide users with statistics on their recycling habits, like carbon footprint saved.	Partner with student organizations and offer exclusive rewards to drive more engagement.	Visual leaderboard displays around campus.	Offer basic tracking for free and premium features like exclusive challenges or data analytics at a cost.	Educate users about the positive environmental impact of their recycling efforts.
Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1
Display weekly, monthly, or semester- long leaderboards to track top recyclers.	Implement regular updates and beta testing with users to ensure a smooth app experience.	Encourage dorm-wide or organization-wide challenges to boost competition.	Local businesses could advertise on the app or sponsor rewards.	
Jayduh 1	Jayduh 1	Jayduh 1	Jayduh 1	